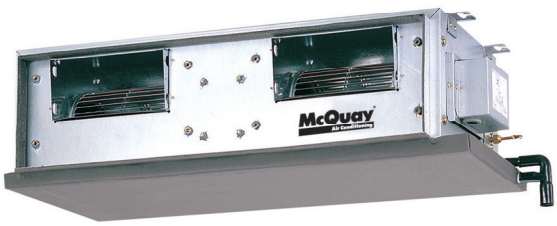
Catalog

M5LCX - 2007

DC Inverter Single Split

Models: M5LCX 010 C/CR
M5LCX 015 C/CR
M5LCX 020 C/CR
M5LCX 025 C/CR



McQuay Air Conditioning

Engineered for flexibility and performance.™

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Note : Installation and maintenance are to be performed only by qualified personnel who are familiar with local codes and regulations, and experienced with this type of equipment.

Caution: Sharp edges and coil surfaces are a potential injury hazard. Avoid contact with them.

Warning : Moving machinery and electrical power hazard. May cause severe personal injury or death. Disconnect and lock off power before servicing equipment.

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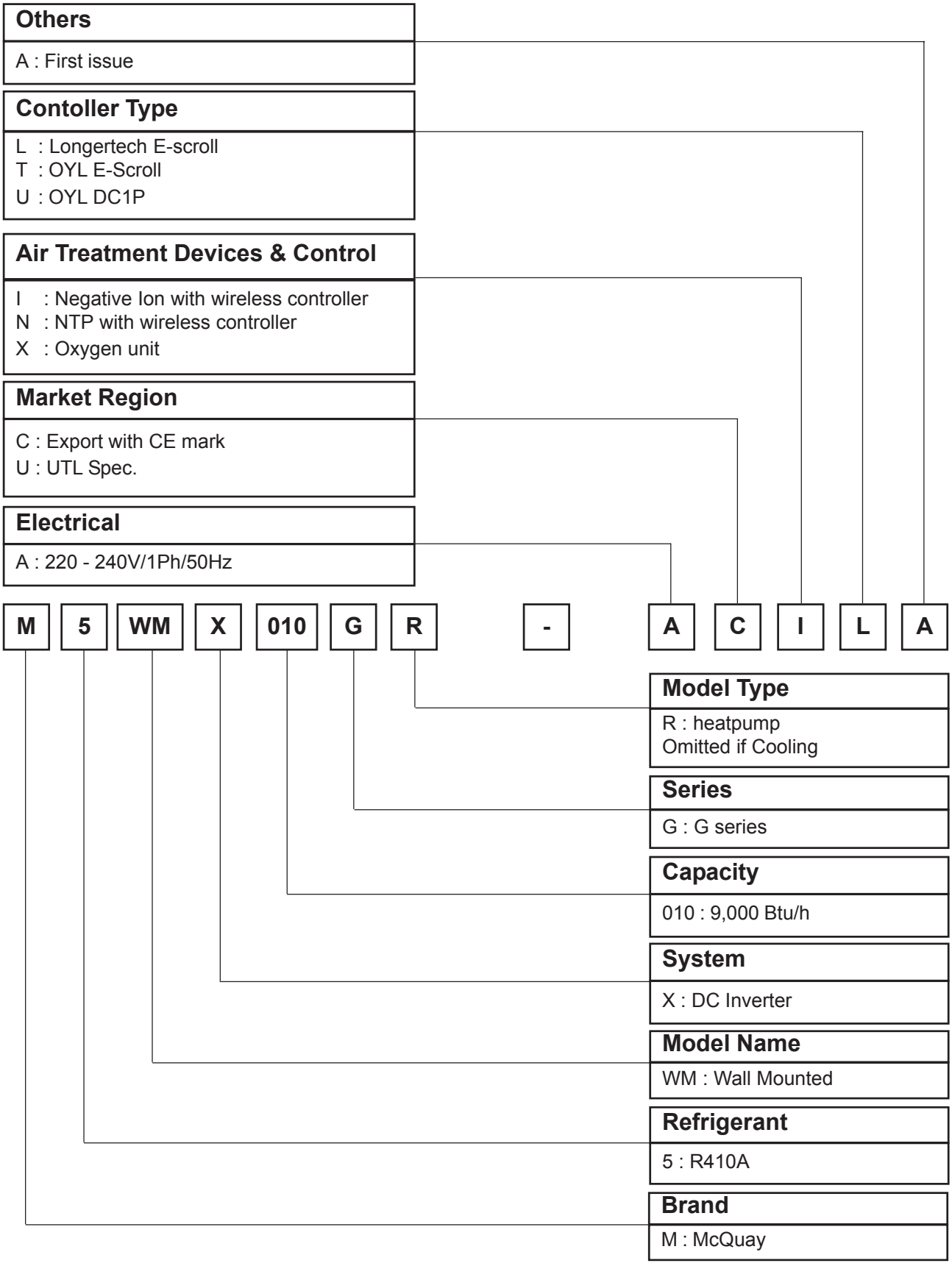
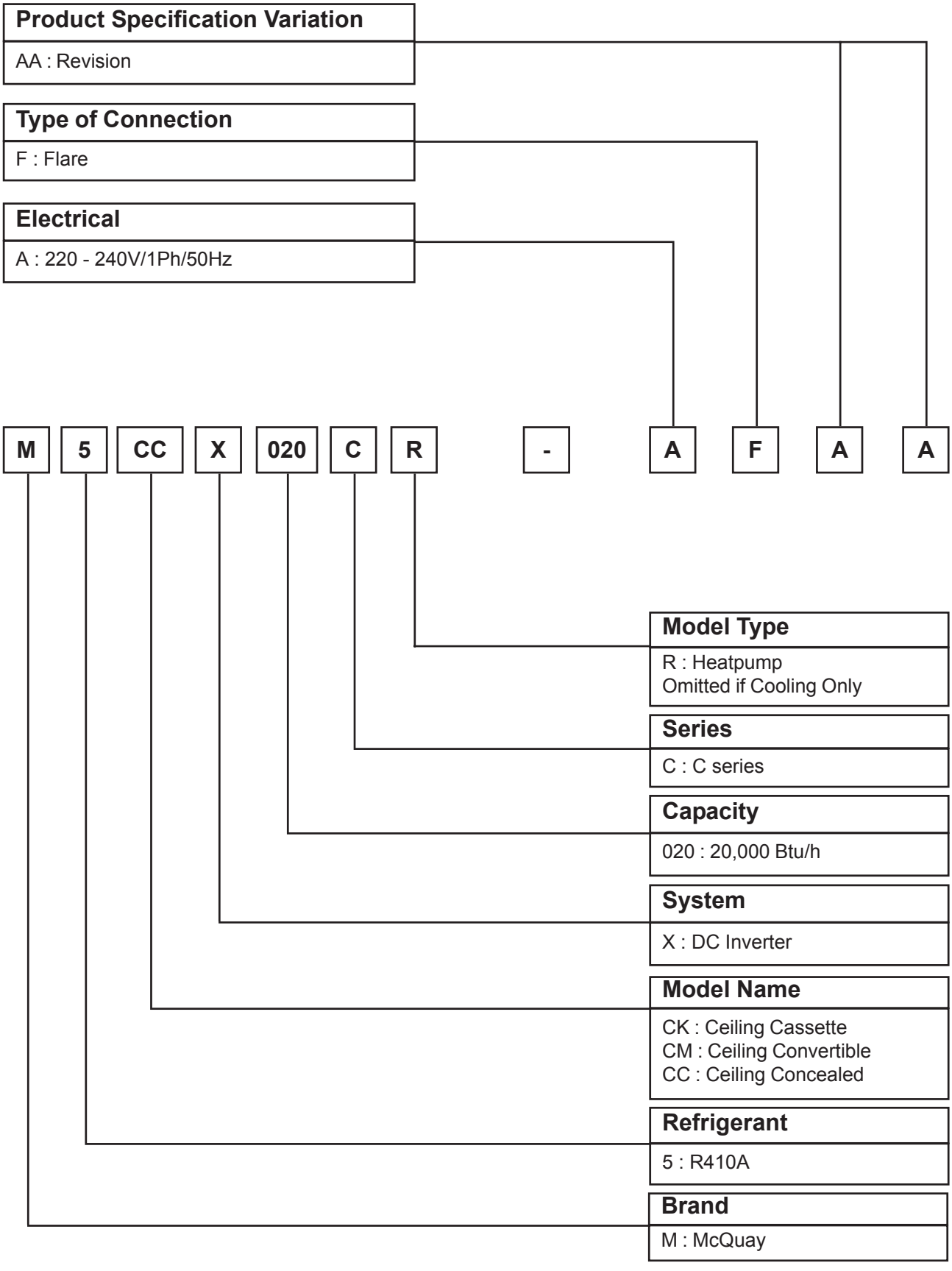
Bulletin illustrations cover the general appearance of McQuay International products at the time of publication.
We reserve the right to change design and construction specifications at any time without notice.

Nomenclature

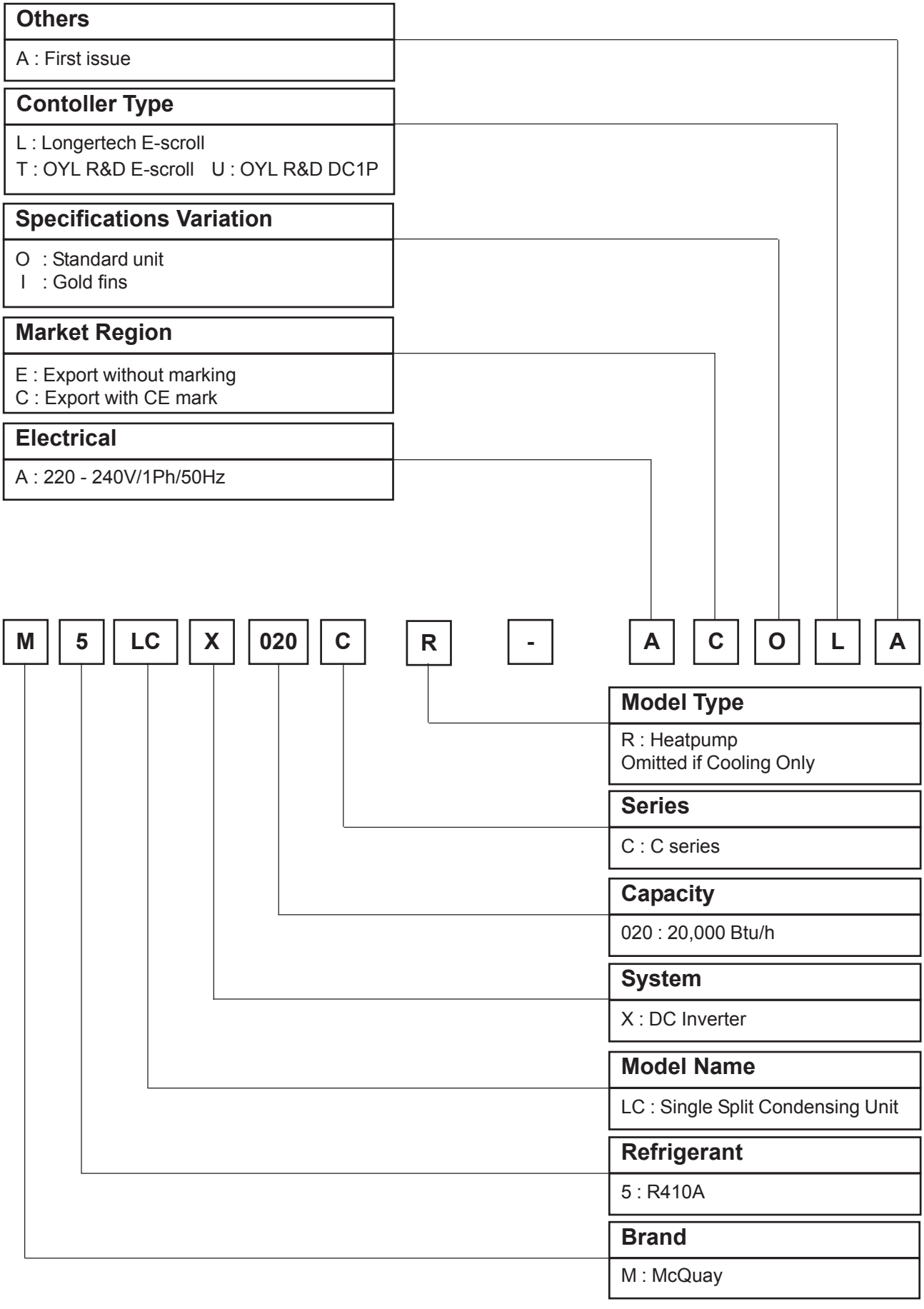
Indoor



Indoor


Product Specification Variation
AA : Revision
Type of Connection
F : Flare
Electrical
A : 220 - 240V/1Ph/50Hz
M
5
CC
X
020
C
R
-
A
F
A
A
Model Type
R : Heatpump
Omitted if Cooling Only
Series
C : C series
Capacity
020 : 20,000 Btu/h
System
X : DC Inverter
Model Name
CK : Ceiling Cassette
CM : Ceiling Convertible
CC : Ceiling Concealed
Refrigerant
5 : R410A
Brand
M : McQuay

Outdoor


Others
A : First issue
Contoller Type
L : Longertech E-scroll
T : OYL R&D E-scroll U : OYL R&D DC1P
Specifications Variation
O : Standard unit
I : Gold fins
Market Region
E : Export without marking
C : Export with CE mark
Electrical
A : 220 - 240V/1Ph/50Hz
M 5 LC X 020 C R - A C O L A
Model Type
R : Heatpump
Omitted if Cooling Only
Series
C : C series
Capacity
020 : 20,000 Btu/h
System
X : DC Inverter
Model Name
LC : Single Split Condensing Unit
Refrigerant
5 : R410A
Brand
M : McQuay

Features

Energy Saving
Total energy saved can be as high as 30% compared to the conventionally controlled units.

Efficient
McQuay DC Inverter series achieve excellent efficient with high EER & COP rating.

Comfortable
Users enjoy better comfort and quietness with inverter technology. When the environmental factors, such as temperature, humidity, airflow and/or outside ambient conditions, are obtained and processed through a control algorithm, the compressor motor speed can be varied to optimize the cooling power to create a more precisely controlled room temperature (i.e. less temperature fluctuation).

R410A Refrigerant (New)
Introducing the new type of refrigerant - R410A which is environmental friendly with Zero Ozone Depletion Potential (ODP = 0). R410A also provides the higher volumetric capacity and better refrigerating effect per unit of volume.

Advance Technology
The traditional conventional air conditioners repeat "the start" and "the stop" during the thermostat cycle off and causes the room temperature to be unstable. Incorporating fuzzy logic control into the McQuay Inverter design enables greater flexibility in handling the system control.
This result in:

- Powerful, efficient and economical operation.
- Even room temperature control.
- Constant and quiet compressor operation.
- Enhanced system reliability and reduced maintenance costs.

Self Diagnostic
Both indoor and outdoor LED Error Code Indicator helps to simplify the trouble shooting process. Where there's fault detected during operation, the defect code will be to indicate the faults.

Wireless Remote Control

- The compact LCD transmitter is able to operate the air conditioner unit within the distance of 9 meters.
- Fan motor speed can be set at low / medium / high or automatic.
- Sleep mode automatically increase set temperature since room temperature is lower at night thus achieving comfort surrounding.
- Airflow direction can be controlled automatically.
- Room temperature is controlled by electronic thermostat.
- The unit can be preset to on and off automatically for maximum of 15 hours by using timer on/off.
- Introducing turbo mode, which allows inverter compressor operates at high power and maximum speed to achieve required temperature quickly.

Product Line Up

M5WMX Product line-up

M5WMX		Nomenclature	Classfications									
			Handset	PCB		Air Purification			Marking			Others
			G11	VA2.0	LJID 1.0	Negative Ion	Nano Filter	Non-Thermal Plasma (NTP)	CE	Electrical & Testing Laboratory (ETL)	NO	Auto Restart
Cooling Model	010C	ACITC	X	X		X	X		X			X
	015C	ACITC	X	X		X	X		X			X
	020C	ACITC	X	X		X	X		X			X
	025C	ACITC	X	X		X	X		X			X
Heat Pump Model	010CR	ACITC	X	X		X	X		X			X
	015CR	ACITC	X	X		X	X		X			X
	020CR	ACITC	X	X		X	X		X			X
	025CR	ACITC	X	X		X	X		X			X

M5CKX-A Product line-up

M5CKX		Nomenclature	Classification									
			Handset	PCB		Auto Restart	With Auto Air Swing	Rf Control		Marking		
			G11	09A-AP	09A-EC			Cap tube	w/out Cap tube	CE	Electrical & Testing Laboratory	NO
Cooling Only	020A	AFAA	X		X		X		X	X		
	025A	AFAA	X		X		X		X	X		
HeatPump Model	020AR	AFAA	X	X			X		X	X		
	025AR	AFAA	X	X			X		X	X		

M5CKX-C Product line-up

M5CKX		Nomenclature	Classification									
			Handset	PCB		Auto Restart	With Auto Air Swing	Rf Control		Marking		
			G11	09A-AP	09A-EC			Cap tube	w/out Cap tube	CE	Electrical & Testing Laboratory	NO
Cooling Model	010C	AFAA	X		X		X		X	X		
	015C	AFAA	X		X		X		X	X		
	020C	AFAA	X		X		X		X	X		
Heat Pump Model	010CR	AFAA	X	X			X		X	X		
	015CR	AFAA	X	X			X		X	X		
	020C	AFAA	X	X			X		X	X		

PLCKX Product line-up

	NONMENCALTURE	Handset		Marking			Auto Air Swing	W/out Auto Air Swing
		G7	G8	CE Mark	W/out Marking	Common		
Cooling Only	PLCKXA-G7	X				X	X	
	PLCKXC-G7	X				X	X	
HeatPump	PLCKXCR-G7	X				X	X	

M5CMX Product line-up

M5CMX		Nomenclature	Classification											
						Rf Control		Air Purification				Marking		
			G11	09A-AP	09A-EC	Cap tube	w/out Cap tube	Inonizer Filter	Negative Ion	Nano Filter	Non-Thermal Plasma (NTP)	CE	Electrical & Testing Laboratory (ETL)	NO
HeatPump Model Cooling Only	015E	ACGVA	X		X		X		X	X		X		
	020E	ACGVA	X		X		X		X	X		X		
	025E	ACGVA	X		X		X		X	X		X		
	015ER	ACGVA	X	X			X		X	X		X		
	020ER	ACGVA	X	X			X		X	X		X		
	025ER	ACGVA	X	X			X		X	X		X		

M5CCX Product line-up

M5CCX		Nomenclature	Classfications											
			Handset	PCB		Rf Control		Air Purification			Marking			Others
			SLM WIRED HANDSET	09A-EC	09A-AP	Cap tube	w/out Cap tube	Saranet filter	Nano Filter	Non-Thermal Plasma (NTP)	CE	Electrical & Testing Laboratory (ETL)	NO	With EPS drain pan
Cooling Model	010C	AFAA	X	X			X	X			X			X
		AFAA	X	X			X	X			X			X
	015C	AFAA	X	X			X	X			X			X
		AFAA	X	X			X	X			X			X
	020C	AFAA	X	X			X	X			X			X
		AFAA	X	X			X	X			X			X
	025C	AFAA	X	X			X	X			X			X
		AFAA	X	X			X	X			X			X
Heat Pump Model	010CR	AFAA	X		X		X	X			X			X
		AFAA	X		X		X	X			X			X
	015CR	AFAA	X		X		X	X			X			X
		AFAA	X		X		X	X			X			X
	020CR	AFAA	X		X		X	X			X			X
		AFAA	X		X		X	X			X			X
	025CR	AFAA	X		X		X	X			X			X
		AFAA	X		X		X	X			X			X

M5LCX Product line-up

M5LCX		Nomenclature	Classifications									
			Refrigerant Ctrl + Fin			PCB			Compressor		Marking	
			EXV	Cap. Tube	Gold Fin	VB2.0 (OYLR&D)	DC INVERTER (LJ DSCAA)	Drain Elbow	Inverter Rotary Comp.	Scroll Comp.	W/O Marking	CE Marking
Cooling Only Model	010C	ACOTA		X		X		X		X		X
		ACOUA		X		X		X	X			X
	015C	ACOTA		X		X		X		X		X
		ACOUA		X		X		X	X			X
	020C	ACOTA	X			X		X		X		X
	025C	ACOTA	X			X		X		X		X
Heat Pump Model	010CR	ACOLA		X			X	X		X		X
		ACOTA		X		X		X		X		X
		ACOUA		X		X		X	X			X
		ACILA		X	X		X	X		X		X
		ACITA		X	X	X		X		X		X
	015CR	ACOLA		X			X	X		X		X
		ACOTA		X		X		X		X		X
		ACOUA		X		X		X	X			X
		ACILA		X	X		X	X		X		X
		ACITA		X	X	X		X		X		X
	020CR	ACOLA	X				X	X		X		X
		ACILA	X		X		X	X		X		X
		ACOTA	X			X		X		X		X
	025CR	ACOLA	X				X	X		X		X
		ACILA	X		X		X	X		X		X
		ACOTA	X			X		X		X		X

Engineering and Physical Data

General Data - Cooling Only

MODEL		INDOOR UNIT			M5WMX 010G	M5WMX 015G
		OUTDOOR UNIT			M5LCX 010C	M5LCX 015C
NOMINAL CAPACITY				Btu/h	9,000 (3,700 - 12,000)	12,000 (3,700 - 15,000)
				W	2,638 (1,084 - 3,517)	3,517 (1,084 - 4,396)
NOMINAL TOTAL INPUT POWER				W	780 (300 - 1,100)	1,095 (300 - 1,780)
NOMINAL RUNNING CURRENT				A	3.8	5.4
POWER SOURCE				V/Ph/Hz	220-240/1/50	
EER				W/ W	3.38	3.21
REFRIGERANT TYPE					R410A	
REFRIGERANT CONTROL (EXPANSION DEVICE)					OUTDOOR EXV	
INDOOR UNIT	INDOOR AIR FLOW	HIGH		CFM / L/s	300 / 142	330/156
		MEDIUM		CFM / L/s	250 / 118	260/123
		LOW		CFM / L/s	200 / 94	210/99
	INDOOR SOUND PRESSURE (H/M/L)			dBA	38 / 35 / 30	39 / 36 / 31
	INDOOR UNIT DIMENSION	HEIGHT		mm/in	260 / 10.2	
		WIDTH		mm/in	899 / 35.4	
		DEPTH		mm/in	198 / 7.8	
	INDOOR PACKING DIMENSION	HEIGHT		mm/in	337 / 13.3	
		WIDTH		mm/in	957 / 37.7	
		DEPTH		mm/in	270 / 10.6	
	INDOOR UNIT WEIGHT			kg/lb	9.5 / 21	
	CONDENSATE DRAIN SIZE			mm/in	16 / 0.63	
OUTDOOR UNIT	OUTDOOR AIR FLOW			CFM / L/s	800 / 378	900 / 425
	OUTDOOR SOUND PRESSURE			dBA	47	52
	OUTDOOR UNIT DIMENSION	HEIGHT		mm/in	540 / 21.3	
		WIDTH		mm/in	700 (+70) / 27.6 (+2.8)	
		DEPTH		mm/in	250 / 9.8	
	OUTDOOR PACKING DIMENSION	HEIGHT		mm/in	601 / 23.7	
		WIDTH		mm/in	803 / 31.6	
		DEPTH		mm/in	320 / 12.6	
	OUTDOOR UNIT WEIGHT			kg/lb	38	
	PIPE CONNECTION	TYPE			FLARE	
		SIZE	LIQUID	mm/in	6.35 / ¼	6.35 / ¼
			GAS	mm/in	9.52 / 3/8	12.7 / ½
	REFRIGERANT CHARGE			kg/lb	0.89 / 1.87	0.9 / 1.98

1) ALL SPECIFICATION ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE
2) NOMINAL COOLING CAPACITY IS BASED ON THE CONDITIONS BELOW:
a) COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR
3) SOUND PRESSURE LEVEL ARE ACCORDING TO THE JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1.0 m IN FRONT AND 1.0 m BELOW THE UNIT

General Data - Cooling Only

MODEL		INDOOR UNIT			M5WMX 020G	M5WMX 025G
		OUTDOOR UNIT			M5LCX 020C	M5LCX 025C
NOMINAL CAPACITY				Btu/h	18,000 (5,000 - 20,000)	21,000 (5,000 - 23,000)
				W	5,275 (1,465 - 5,862)	6,155 (1,465 - 6,741)
NOMINAL TOTAL INPUT POWER				W	1,632 (475 - 1,834)	1,991 (475 - 2,459)
NOMINAL RUNNING CURRENT				A	7.9	11.3
POWER SOURCE				V/Ph/Hz	220-240 / 1 / 50	
EER				W/ W	3.23	3.10
REFRIGERANT TYPE					R410A	
REFRIGERANT CONTROL (EXPANSION DEVICE)					OUTDOOR EXV	
INDOOR UNIT	INDOOR AIR FLOW	HIGH		CFM / L/s	550 / 260	630 / 297
		MEDIUM		CFM / L/s	440 / 208	500 / 236
		LOW		CFM / L/s	370 / 175	420 / 198
	INDOOR SOUND PRESSURE (H/M/L)			dBA	44 / 40 / 35	49 / 43 / 40
	INDOOR UNIT DIMENSION	HEIGHT		mm/in	304.0 / 12.0	
		WIDTH		mm/in	1062.0 / 41.8	
		DEPTH		mm/in	220.0 / 8.7	
	INDOOR PACKING DIMENSION	HEIGHT		mm/in	378.0 / 14.9	
		WIDTH		mm/in	1130.0 / 44.5	
		DEPTH		mm/in	292.0 11.5	
	INDOOR UNIT WEIGHT			kg/lb	15 / 33.1	
	CONDENSATE DRAIN SIZE			mm/in	20.0 / 0.79	
OUTDOOR UNIT	OUTDOOR AIR FLOW			CFM / L/s	1500 / 708	1600 / 755
	OUTDOOR SOUND PRESSURE			dBA	53	56
	OUTDOOR UNIT DIMENSION	HEIGHT		mm/in	757 / 6.67	
		WIDTH		mm/in	855 (+70) / 33.7 (+2.7)	
		DEPTH		mm/in	328 / 12.9	
	OUTDOOR PACKING DIMENSION	HEIGHT		mm/in	785 / 30.9	
		WIDTH		mm/in	983 / 38.7	
		DEPTH		mm/in	405 / 15.9	
	OUTDOOR UNIT WEIGHT			kg/lb	50 / 110	
	PIPE CONNECTION	TYPE			FLARE	
		SIZE	LIQUID	mm/in	6.35 / ¼	6.35 / ¼
			GAS	mm/in	12.7 / ½	15.8 / 5/8
	REFRIGERANT CHARGE			kg/lb	1.3 / 2.87	1.4 / 3.09

1) ALL SPECIFICATION ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE
2) NOMINAL COOLING CAPACITY IS BASED ON THE CONDITIONS BELOW:
a) COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR
3) SOUND PRESSURE LEVEL ARE ACCORDING TO THE JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1.0 m IN FRONT AND 1.0 m BELOW THE UNIT

General Data - Cooling Only

MODEL		INDOOR UNIT			M5WMX 010G	M5WMX 015G
		OUTDOOR UNIT			M5LCX 010C	M5LCX 015C
NOMINAL CAPACITY				Btu/h	9,500 (2,772 - 11,165)	12,000 (2,772 - 15,114)
				W	2,784 (812 - 3,272)	3,517 (812 - 4,430)
NOMINAL TOTAL INPUT POWER				W	820 (242 - 1,038)	1,100 (242 - 1,559)
NOMINAL RUNNING CURRENT				A	3.9	5.3
POWER SOURCE				V/Ph/Hz	220-240/1/50	
EER				W/ W	3.4	3.19
REFRIGERANT TYPE					R410A	
REFRIGERANT CONTROL (EXPANSION DEVICE)					OUTDOOR EXV	
INDOOR UNIT	INDOOR AIR FLOW	HIGH		CFM / L/s	300 / 142	330/156
		MEDIUM		CFM / L/s	250 / 118	260/123
		LOW		CFM / L/s	200 / 94	210/99
	INDOOR SOUND PRESSURE (H/M/L)			dBA	38 / 35 / 30	39 / 36 / 31
	INDOOR UNIT DIMENSION	HEIGHT		mm/in	260 / 10.2	
		WIDTH		mm/in	899 / 35.4	
		DEPTH		mm/in	198 / 7.8	
	INDOOR PACKING DIMENSION	HEIGHT		mm/in	337 / 13.3	
		WIDTH		mm/in	957 / 37.7	
		DEPTH		mm/in	270 / 10.6	
	INDOOR UNIT WEIGHT			kg/lb	9.5 / 21	
	CONDENSATE DRAIN SIZE			mm/in	16 / 0.63	
OUTDOOR UNIT	OUTDOOR AIR FLOW			CFM / L/s	800 / 378	900 / 425
	OUTDOOR SOUND PRESSURE			dBA	47	52
	OUTDOOR UNIT DIMENSION	HEIGHT		mm/in	540 / 21.3	
		WIDTH		mm/in	700 (+70) / 27.6 (+2.8)	
		DEPTH		mm/in	250 / 9.8	
	OUTDOOR PACKING DIMENSION	HEIGHT		mm/in	601 / 23.7	
		WIDTH		mm/in	803 / 31.6	
		DEPTH		mm/in	320 / 12.6	
	OUTDOOR UNIT WEIGHT			kg/lb	38	
	PIPE CONNECTION	TYPE			FLARE	
		SIZE	LIQUID	mm/in	6.35 / ¼	6.35 / ¼
			GAS	mm/in	9.52 / 3/8	12.7 / ½
	REFRIGERANT CHARGE			kg/lb	0.80 / 1.76	0.94 / 2.07

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2) NOMINAL COOLING CAPACITY IS BASED ON THE CONDITIONS BELOW:
a) COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR
3) SOUND PRESSURE LEVEL ARE ACCORDING TO THE JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1.0 m IN FRONT AND 1.0 m BELOW THE UNIT

General Data - Heatpump

MODEL				INDOOR UNIT		M5WMX 010GR	M5WMX 015GR
				OUTDOOR UNIT		M5LCX 010CR	M5LCX 015CR
NOMINAL COOLING CAPACITY					Btu/h	9,000 (3,700 - 12,000)	12,000 (3,700 - 15,000)
					W	2,638 (1,084 - 3,517)	3,517 (1,084 - 4,396)
NOMINAL HEATING CAPACITY					Btu/h	11,500 (4,000 - 15,000)	14,000 (4,000 - 17,000)
					W	3,370 (1,172 - 4,980)	4,103 (1,172 - 4,982)
NOMINAL TOTAL INPUT POWER (COOLING)					W	780 (300 - 1,100)	1,095 (300 - 1,780)
NOMINAL TOTAL INPUT POWER (HEATING)					W	980 (290 - 1,680)	1,270 (290 - 1,950)
NOMINAL RUNNING CURRENT (COOLING)					A	3.8	5.4
NOMINAL RUNNING CURRENT (HEATING)					A	4.8	6.3
POWER SOURCE					V/Ph/Hz	220-240/1/50	
EER					W/W	3.38	3.21
COP					W/W	3.44	3.23
REFRIGERANT TYPE						R410A	
REFRIGERANT CONTROL (EXPANSION DEVICE)						OUTDOOR EXV	
INDOOR UNIT	INDOOR AIR FLOW	HIGH			CFM / L/s	300 / 142	330/156
		MEDIUM			CFM / L/s	250 / 118	260/123
		LOW			CFM / L/s	200 / 94	210/99
	INDOOR SOUND PRESSURE (H/M/L)				dBA	38 / 35 / 30	39 / 36 / 31
	INDOOR UNIT DIMENSION	HEIGHT			mm/in	260 / 10.2	
		WIDTH			mm/in	899 / 35.4	
		DEPTH			mm/in	198 / 7.8	
	INDOOR PACKING DIMENSION	HEIGHT			mm/in	337 / 13.3	
		WIDTH			mm/in	957 / 37.7	
		DEPTH			mm/in	270 / 10.6	
	INDOOR UNIT WEIGHT				kg/lb	9.5 / 21	
	CONDENSATE DRAIN SIZE				mm/in	16 / 0.63	
OUTDOOR UNIT	OUTDOOR AIR FLOW				CFM / L/s	800 / 378	900 / 425
	OUTDOOR SOUND PRESSURE				dBA	47	52
	OUTDOOR UNIT DIMENSION	HEIGHT			mm/in	540 / 21.3	
		WIDTH			mm/in	700 (+70) / 27.6 (+2.8)	
		DEPTH			mm/in	250 / 9.8	
	OUTDOOR PACKING DIMENSION	HEIGHT			mm/in	601 / 23.7	
		WIDTH			mm/in	803 / 31.6	
		DEPTH			mm/in	320 / 12.6	
	OUTDOOR UNIT WEIGHT				kg/lb	38	
	PIPE CONNECTION	TYPE				FLARE	
		SIZE	LIQUID		mm/in	6.35 / ¼	6.35 / ¼
			GAS		mm/in	9.52 / 3/8	12.7 / ½
	REFRIGERANT CHARGE				kg/lb	0.89 / 1.87	0.9 / 1.98

1) ALL SPECIFICATION ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE
2) NOMINAL COOLING CAPACITY IS BASED ON THE CONDITIONS BELOW:
a) COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR
b) HEATING - 20°C DB INDOOR AND 7°DB / 6°C WB OUTDOOR
3) SOUND PRESSURE LEVEL ARE ACCORDING TO THE JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1.0 m IN FRONT AND 1.0 m BELOW THE UNIT

General Data - Heatpump

MODEL		INDOOR UNIT			M5WMX 020GR	M5WMX 025GR
		OUTDOOR UNIT			M5LCX 020CR	M5LCX 025CR
NOMINAL COOLING CAPACITY				Btu/h	18,000 (5,000 - 20,000)	21,000 (5,000 - 23,000)
				W	5,275 (1,465 - 5,862)	6,155 (1,465 - 6,741)
NOMINAL HEATING CAPACITY				Btu/h	19,000 (5,000 - 22,000)	22,000 (5,000 - 25,000)
				W	5,568 (1,465 - 6,155)	6,448 (1,465 - 7,034)
NOMINAL TOTAL INPUT POWER (COOLING)				W	1632 (475 - 1,834)	1,991 (475 - 2,459)
NOMINAL TOTAL INPUT POWER (HEATING)				W	1631 (498 - 2,169)	2,013 (498 - 2,307)
NOMINAL RUNNING CURRENT (COOLING)				A	7.9	11.3
NOMINAL RUNNING CURRENT (HEATING)				A	8.0	11.8
POWER SOURCE				V/Ph/Hz	220-240 / 1 / 50	
EER				W/W	3.23	3.10
COP				W/W	3.41	3.20
REFRIGERANT TYPE					R410A	
REFRIGERANT CONTROL (EXPANSION DEVICE)					OUTDOOR EXV	
INDOOR UNIT	INDOOR AIR FLOW	HIGH		CFM / L/s	550 / 260	630 / 297
		MEDIUM		CFM / L/s	440 / 208	500 / 236
		LOW		CFM / L/s	370 / 175	420 / 198
	INDOOR SOUND PRESSURE (H/M/L)			dBA	44 / 40 / 35	49 / 43 / 40
	INDOOR UNIT DIMENSION	HEIGHT		mm/in	304.0 / 12.0	
		WIDTH		mm/in	1062.0 / 41.8	
		DEPTH		mm/in	220.0 / 8.7	
	INDOOR PACKING DIMENSION	HEIGHT		mm/in	378.0 / 14.9	
		WIDTH		mm/in	1130.0 / 44.5	
		DEPTH		mm/in	292.0 11.5	
	INDOOR UNIT WEIGHT			kg/lb	15 / 33.1	
	CONDENSATE DRAIN SIZE			mm/in	20.0 / 0.79	
OUTDOOR UNIT	OUTDOOR AIR FLOW			CFM / L/s	1500 / 708	1600 / 755
	OUTDOOR SOUND PRESSURE			dBA	53	56
	OUTDOOR UNIT DIMENSION	HEIGHT		mm/in	757 / 6.67	
		WIDTH		mm/in	855 (+70) / 33.7 (+2.7)	
		DEPTH		mm/in	328 / 12.9	
	OUTDOOR PACKING DIMENSION	HEIGHT		mm/in	785 / 30.9	
		WIDTH		mm/in	983 / 38.7	
		DEPTH		mm/in	405 / 15.9	
	OUTDOOR UNIT WEIGHT			kg/lb	50 / 110	
	PIPE CONNECTION	TYPE			FLARE	
		SIZE	LIQUID	mm/in	6.35 / ¼	6.35 / ¼
			GAS	mm/in	12.7 / ½	15.8 / 5/8
	REFRIGERANT CHARGE			kg/lb	1.3 / 2.87	1.4 / 3.09

1) ALL SPECIFICATION ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE
2) NOMINAL COOLING CAPACITY IS BASED ON THE CONDITIONS BELOW:
a) COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR
b) HEATING - 20°C DB INDOOR AND 7°DB / 6°C WB OUTDOOR
3) SOUND PRESSURE LEVEL ARE ACCORDING TO THE JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1.0 m IN FRONT AND 1.0 m BELOW THE UNIT

General Data - Heatpump

MODEL				INDOOR UNIT		M5WMX 010GR	M5WMX 015GR
				OUTDOOR UNIT		M5LCX 010CR	M5LCX 015CR
NOMINAL COOLING CAPACITY					Btu/h	9,500 (2,772 - 11,165)	12,000 (2,772 - 15,114)
					W	2,784 (812 - 3,272)	3,517 (812 - 4,430)
NOMINAL HEATING CAPACITY					Btu/h	11,500 (2,699 - 15,655)	13,000 (2,699 - 16,170)
					W	3,370 (791 - 4,588)	3,810 (791 - 4,739)
NOMINAL TOTAL INPUT POWER (COOLING)					W	820 (242 - 1,038)	1,100 (242 - 1,559)
NOMINAL TOTAL INPUT POWER (HEATING)					W	930 (231 - 1,455)	1,057 (231 - 1,865)
NOMINAL RUNNING CURRENT (COOLING)					A	3.9	5.3
NOMINAL RUNNING CURRENT (HEATING)					A	4.5	5
POWER SOURCE					V/Ph/Hz	220-240/1/50	
EER					W/W	3.39	3.19
COP					W/W	3.62	3.60
REFRIGERANT TYPE						R410A	
REFRIGERANT CONTROL (EXPANSION DEVICE)						OUTDOOR EXV	
INDOOR UNIT	INDOOR AIR FLOW	HIGH			CFM / L/s	300 / 142	330/156
		MEDIUM			CFM / L/s	250 / 118	260/123
		LOW			CFM / L/s	200 / 94	210/99
	INDOOR SOUND PRESSURE (H/M/L)				dBA	38 / 35 / 30	39 / 36 / 31
	INDOOR UNIT DIMENSION	HEIGHT			mm/in	260 / 10.2	
		WIDTH			mm/in	899 / 35.4	
		DEPTH			mm/in	198 / 7.8	
	INDOOR PACKING DIMENSION	HEIGHT			mm/in	337 / 13.3	
		WIDTH			mm/in	957 / 37.7	
		DEPTH			mm/in	270 / 10.6	
	INDOOR UNIT WEIGHT				kg/lb	9.5 / 21	
	CONDENSATE DRAIN SIZE				mm/in	16 / 0.63	
OUTDOOR UNIT	OUTDOOR AIR FLOW				CFM / L/s	800 / 378	900 / 425
	OUTDOOR SOUND PRESSURE				dBA	47	52
	OUTDOOR UNIT DIMENSION	HEIGHT			mm/in	540 / 21.3	
		WIDTH			mm/in	700 (+70) / 27.6 (+2.8)	
		DEPTH			mm/in	250 / 9.8	
	OUTDOOR PACKING DIMENSION	HEIGHT			mm/in	601 / 23.7	
		WIDTH			mm/in	803 / 31.6	
		DEPTH			mm/in	320 / 12.6	
	OUTDOOR UNIT WEIGHT				kg/lb	38	
	PIPE CONNECTION	TYPE				FLARE	
		SIZE	LIQUID		mm/in	6.35 / ¼	6.35 / ¼
			GAS		mm/in	9.52 / 3/8	12.7 / ½
	REFRIGERANT CHARGE				kg/lb	0.80 / 1.76	0.94 / 2.07

1) ALL SPECIFICATION ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE
2) NOMINAL COOLING CAPACITY IS BASED ON THE CONDITIONS BELOW:
a) COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR
b) HEATING - 20°C DB INDOOR AND 7°DB / 6°C WB OUTDOOR
3) SOUND PRESSURE LEVEL ARE ACCORDING TO THE JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1.0 m IN FRONT AND 1.0 m BELOW THE UNIT

General Data - Cooling Only

MODEL		**INDOOR UNIT**			**M5CKX 020A**	**M5CKX 025A**
		OUTDOOR UNIT			**M5LCX 020C**	**M5LCX 025C**
NOMINAL COOLING CAPACITY				**Btu/h**	18,000 (5,000 - 20,000)	21,000 (5,000 - 23,000)
				W	5,275 (1,465 - 5,862)	6,155 (1,465 - 6,741)
NOMINAL TOTAL INPUT POWER				**W**	1,694 (537 - 1886)	2,054 (538 - 2522)
NOMINAL RUNNING CURRENT				**A**	7.46	9.05
POWER SOURCE				**V/Ph/Hz**	230 / 1 /50	
EER				**W/ W**	3.11	3
REFRIGERANT TYPE					R410A	
REFRIGERANT CONTROL (EXPANSION DEVICE)					OUTDOOR EXV	
INDOOR UNIT	**CONTROL**	**AIR DISCHARGE**			4 WAY AUTOMATIC LOUVER (UP & DOWN)	
		OPERATION			WIRELESS OR WIRED MICROCOMPUTE REMOTE CONTROL	
	AIR FLOW	**HIGH**		**CFM / l/s**	740 / 349	780 / 368
		MEDIUM		**CFM / l/s**	630 / 297	660 / 311
		LOW		**CFM / l/s**	600 / 283	600 / 283
	SOUND PRESSURE (H/M/L)			**dBA**	42 / 39 / 37	45 / 42 / 40
	UNIT DIMENSION	**HEIGHT**		**mm/in**	335 (363) / 13.2 (14.3)	
		WIDTH		**mm/in**	820 (930) / 32.2 (36.6)	
		DEPTH		**mm/in**	820 (930) / 32.2 (36.6)	
	PACKING DIMENSION	**HEIGHT**		**mm/in**	380 (130) / 15.0 (5.1)	
		WIDTH		**mm/in**	920 (1020) / 36.2 (40.2)	
		DEPTH		**mm/in**	920 (1020) / 36.2 (40.2)	
	UNIT WEIGHT			**kg/lb**	31 + 4 / 68.3 + 8.8	32 + 4 / 70.5 + 8.8
	CONDENSATE DRAIN SIZE			**mm/in**	19.05 / 3/4	
OUTDOOR UNIT	**AIR FLOW**			**CFM / l/s**	1500 / 708	1600 / 757
	SOUND PRESSURE			**dBA**	53	56
	UNIT DIMENSION	**HEIGHT**		**mm/in**	757 / 29.8	
		WIDTH		**mm/in**	855 (+70) / 33.7 (+2.7)	
		DEPTH		**mm/in**	328 / 12.9	
	PACKING DIMENSION	**HEIGHT**		**mm/in**	785 / 30.9	
		WIDTH		**mm/in**	983 / 38.7	
		DEPTH		**mm/in**	405 / 15.9	
	UNIT WEIGHT			**kg/lb**	50 / 110	
	PIPE CONNECTION	**TYPE**			FLARE	
		SIZE	**LIQUID**	**mm/in**	6.35 / 1/4	6.35 / 1/4
			GAS	**mm/in**	12.7 / 1/2	15.8 / 5/8
REFRIGERANT CHARGE				**kg/lb**	1.3 / 2.86	1.4 / 3.08

1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.
2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 5151.
3) NOMINAL COOLING IS BASED ON THE CONDITIONS BELOW :
a) COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR
4) SOUND PRESSURE LEVEL ARE ACCORDING TO JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1m IN FRONT AND 1m BELOW THE UNIT.

General Data - Cooling Only (With Torque Control)

MODEL		INDOOR UNIT			M5CKX 010C	M5CKX 015C
		OUTDOOR UNIT			M5LCX 010C	M5LCX 015C
NOMINAL COOLING CAPACITY				Btu/h	9,500 (2,772 - 11,165)	12,000 (2,772 - 15,114)
				W	2,784 (812 - 3,272)	3,517 (812 - 4,430)
NOMINAL TOTAL INPUT POWER				W	833 (255 - 1,051)	1,116 (258 - 1,575)
NOMINAL RUNNING CURRENT				A	3.95 (1.24 - 4.79)	5.37 (1.26 - 7.43)
POWER SOURCE				V/Ph/Hz	230 / 1 /50	
EER				W/ W	3.34	3.15
REFRIGERANT TYPE					R410A	
REFRIGERANT CONTROL (EXPANSION DEVICE)					OUTDOOR EXV	
INDOOR UNIT	CONTROL	AIR DISCHARGE			4 WAY AUTOMATIC LOUVER (UP & DOWN)	
		OPERATION			WIRELESS OR WIRED MICROCOMPUTER REMOTE CONTROL	
	AIR FLOW	HIGH		CFM / l/s	400 / 189	410 / 194
		MEDIUM		CFM / l/s	390 / 184	390 / 184
		LOW		CFM / l/s	370 / 175	360 / 170
	SOUND PRESSURE (H/M/L)			dBA	44 / 43 / 42	44 / 42 / 41
	UNIT DIMENSION () - WITH PANEL	HEIGHT		mm/in	250 (295) / 9.8 (11.6)	
		WIDTH		mm/in	570 (640) / 22.4 (25.2)	
		DEPTH		mm/in	570 (640) / 22.4 (25.2)	
	PACKING DIMENSION () - PANEL	HEIGHT		mm/in	317 (127) / 12.5 (5)	
		WIDTH		mm/in	630 (700) / 24.8 (27.6)	
		DEPTH		mm/in	630 (700) / 24.8 (27.6)	
	UNIT WEIGHT (UNIT + PANEL)			kg/lb	22 + 2 / 48.5 + 4.4	23 + 2 / 50.7 + 4.4
	CONDENSATE DRAIN SIZE			mm/in	19.05 / 3/4	
OUTDOOR UNIT	AIR FLOW			CFM / l/s	800 / 378	900 / 425
	SOUND PRESSURE			dBA	47.5	48
	UNIT DIMENSION	HEIGHT		mm/in	540 / 21.3	
		WIDTH		mm/in	700 (+70) / 27.6 (+2.8)	
		DEPTH		mm/in	250 / 9.8	
	PACKING DIMENSION	HEIGHT		mm/in	601 / 23.7	
		WIDTH		mm/in	803 / 31.6	
		DEPTH		mm/in	320 / 12.6	
	UNIT WEIGHT			kg/lb	38 / 83.6	
	PIPE CONNECTION	TYPE			FLARE	
		SIZE	LIQUID	mm/in	6.35 / 1/4	6.35 / 1/4
			GAS	mm/in	9.52 / 3/8	12.7 / 1/2
REFRIGERANT CHARGE				kg/lb	0.8 / 1.76	0.94 / 2.07

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2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 5151.
3) NOMINAL COOLING IS BASED ON THE CONDITIONS BELOW :
a) COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR
4) SOUND PRESSURE LEVEL ARE ACCORDING TO JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1m IN FRONT AND 1m BELOW THE UNIT.

General Data - Cooling Only

MODEL		**INDOOR UNIT**			**M5CKX 020C**
		OUTDOOR UNIT			**M5LCX 020C**
NOMINAL COOLING CAPACITY				**Btu/h**	18,000 (5,000 - 20,000)
				W	5,275 (1,465 - 5,862)
NOMINAL TOTAL INPUT POWER				**W**	1,646 (497 - 1,856)
NOMINAL RUNNING CURRENT				**A**	7.23 (2.10 - 8.12)
POWER SOURCE				**V/Ph/Hz**	230 /1/ 50
EER				**W/ W**	3.2
REFRIGERANT TYPE					R410A
REFRIGERANT CONTROL (EXPANSION DEVICE)					OUTDOOR EXV
INDOOR UNIT	**CONTROL**	**AIR DISCHARGE**			4 WAY AUTOMATIC LOUVER (UP & DOWN)
		OPERATION			WIRELESS OR WIREDE MICROCOMPUTER REMOTE CONTROL
	AIR FLOW	**HIGH**		**CFM / l/s**	450 / 212
		MEDIUM		**CFM / l/s**	430 / 203
		LOW		**CFM / l/s**	410 / 194
	SOUND PRESSURE (H/M/L)			**dBA**	47 / 46 / 44
	UNIT DIMENSION () - WITH PANEL	**HEIGHT**		**mm/in**	250 (295) / 9.8 (11.6)
		WIDTH		**mm/in**	570 (640) / 22.4 (25.2)
		DEPTH		**mm/in**	570 (640) / 22.4 (25.2)
	PACKING DIMENSION () - PANEL	**HEIGHT**		**mm/in**	317 (127) / 12.5 (5)
		WIDTH		**mm/in**	630 (700) / 24.8 (27.6)
		DEPTH		**mm/in**	630 (700) / 24.8 (27.6)
	UNIT WEIGHT (UNIT + PANEL)			**kg/lb**	23 + 2 / 50.7 + 4.4
	CONDENSATE DRAIN SIZE			**mm/in**	19.05 / 3/4
OUTDOOR UNIT	**AIR FLOW**			**CFM / l/s**	1500 / 708
	SOUND PRESSURE			**dBA**	53
	UNIT DIMENSION	**HEIGHT**		**mm/in**	757 / 6.67
		WIDTH		**mm/in**	855 (+70) / 33.7 (+2.7)
		DEPTH		**mm/in**	328 / 12.9
	PACKING DIMENSION	**HEIGHT**		**mm/in**	785 / 30.9
		WIDTH		**mm/in**	983 / 38.7
		DEPTH		**mm/in**	405 / 15.9
	UNIT WEIGHT			**kg/lb**	50 / 110
	PIPE CONNECTION	**TYPE**			FLARE
		SIZE	**LIQUID**	**mm/in**	6.35 / 1/4
			GAS	**mm/in**	12.7 / 1/2
REFRIGERANT CHARGE				**kg/lb**	1.3 / 2.86

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2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 5151.
3) NOMINAL COOLING IS BASED ON THE CONDITIONS BELOW :
a) COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR
4) SOUND PRESSURE LEVEL ARE ACCORDING TO JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1m IN FRONT AND 1m BELOW THE UNIT.

General Data - Heatpump

MODEL		INDOOR UNIT			M5CKX 020AR	M5CKX 025AR
		OUTDOOR UNIT			M5LCX 020CR	M5LCX 025CR
NOMINAL COOLING CAPACITY				Btu/h	18,000 (5,000 - 20,000)	21,000 (5,000 - 23,000)
				W	5,275 (1,465 - 5,862)	6,155 (1,465 - 6,741)
NOMINAL HEATING CAPACITY				Btu/h	19,000 (5,000 - 22,000)	22,000 (5,000 - 25,000)
				W	5,568 (1,465 - 6,155)	6,448 (1,465 - 7,034)
NOMINAL TOTAL INPUT POWER (COOLING)				W	1,694 (537 - 1886)	2,054 (538 - 2522)
NOMINAL TOTAL INPUT POWER (HEATING)				W	1,693 (560 - 2,231)	2076 (561 - 2370)
NOMINAL RUNNING CURRENT (COOLING)				A	7.46	9.05
NOMINAL RUNNING CURRENT (HEATING)				A	7.45	9.14
POWER SOURCE				V/Ph/Hz	230 / 1 /50	
EER				W/W	3.11	3.00
COP				W/W	3.29	3.11
REFRIGERANT TYPE					R410A	
REFRIGERANT CONTROL (EXPANSION DEVICE)					OUTDOOR EXV	
INDOOR UNIT	CONTROL	AIR DISCHARGE			4 WAY AUTOMATIC LOUVER (UP & DOWN)	
		OPERATION			WIRELESS OR WIRED MICROCOMPUTE REMOTE CONTROL	
	AIR FLOW	HIGH		CFM / l/s	740 / 349	780 / 368
		MEDIUM		CFM / l/s	630 / 297	660 / 311
		LOW		CFM / l/s	600 / 283	600 / 283
	SOUND PRESSURE (H/M/L)			dBA	42 / 39 / 37	45 / 42 / 40
	UNIT DIMENSION	HEIGHT		mm/in	335 (363) / 13.2 (14.3)	
		WIDTH		mm/in	820 (930) / 32.2 (36.6)	
		DEPTH		mm/in	820 (930) / 32.2 (36.6)	
	PACKING DIMENSION	HEIGHT		mm/in	380 (130) / 15.0 (5.1)	
		WIDTH		mm/in	920 (1020) / 36.2 (40.2)	
		DEPTH		mm/in	920 (1020) / 36.2 (40.2)	
	UNIT WEIGHT			kg/lb	31 + 4 / 68.3 + 8.8	32 + 4 / 70.5 + 8.8
	CONDENSATE DRAIN SIZE			mm/in	19.05 / 3/4	
OUTDOOR UNIT	AIR FLOW			CFM / l/s	1500 / 708	1600 / 757
	SOUND PRESSURE			dBA	53	56
	UNIT DIMENSION	HEIGHT		mm/in	757 / 29.8	
		WIDTH		mm/in	855 (+70) / 33.7 (+2.7)	
		DEPTH		mm/in	328 / 12.9	
	PACKING DIMENSION	HEIGHT		mm/in	785 / 30.9	
		WIDTH		mm/in	983 / 38.7	
		DEPTH		mm/in	405 / 15.9	
	UNIT WEIGHT			kg/lb	50 / 110	
	PIPE CONNECTION	TYPE			FLARE	
		SIZE	LIQUID	mm/in	6.35 / 1/4	6.35 / 1/4
			GAS	mm/in	12.7 / 1/2	15.8 / 5/8
REFRIGERANT CHARGE				kg/lb	1.3 / 2.86	1.4 / 3.08

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2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 5151.
3) NOMINAL COOLING CAPACITY IS BASED ON THE CONDITIONS BELOW:
a) COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR
b) HEATING - 20°C DB INDOOR AND 7°DB / 6°C WB OUTDOOR
4) SOUND PRESSURE LEVEL ARE ACCORDING TO THE JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1.0 m IN FRONT AND 1.0 m BELOW THE UNIT

General Data - Heatpump

MODEL		INDOOR UNIT			M5CKX 010CR	M5CKX 015CR
		OUTDOOR UNIT			M5LCX 010CR	M5LCX 015CR
NOMINAL COOLING CAPACITY				Btu/h	9,500 (2,772 - 11,165)	12,000 (2,772 - 15,114)
				W	2,784 (812 - 3,272)	3,517 (812 - 4,430)
NOMINAL HEATING CAPACITY				Btu/h	11,500 (2,699 - 15,655)	13,000 (2,699 - 16,170)
				W	3,370 (791 - 4,588)	3,810 (791 - 4,739)
NOMINAL TOTAL INPUT POWER (COOLING)				W	833 (255 - 1,051)	1,116 (258 - 1,575)
NOMINAL TOTAL INPUT POWER (HEATING)				W	943 (244 - 1,468)	1,073 (247 - 1,881)
NOMINAL RUNNING CURRENT (COOLING)				A	3.95 (1.24 - 4.79)	5.37 (1.26 - 7.43)
NOMINAL RUNNING CURRENT (HEATING)				A	4.55 (1.14 - 6.70)	5.07 (1.16 - 8.24)
POWER SOURCE				V/Ph/Hz	230 / 1 /50	
EER				W/W	3.34	3.15
COP				W/W	3.57	3.55
REFRIGERANT TYPE					R410A	
REFRIGERANT CONTROL (EXPANSION DEVICE)					OUTDOOR EXV	
INDOOR UNIT	CONTROL	AIR DISCHARGE			4 WAY AUTOMATIC LOUVER (UP & DOWN)	
		OPERATION			WIRELESS OR WIRED MICROCOMPUTER REMOTE CONTROL	
	AIR FLOW	HIGH		CFM / /s	400 / 189	410 / 194
		MEDIUM		CFM / /s	390 / 184	390 / 184
		LOW		CFM / /s	370 / 175	360 / 170
	SOUND PRESSURE (H/M/L)			dBA	44 / 43 / 42	44 / 42 / 41
	UNIT DIMENSION () - WITH PANEL	HEIGHT		mm/in	250 (295) / 9.8 (11.6)	
		WIDTH		mm/in	570 (640) / 22.4 (25.2)	
		DEPTH		mm/in	570 (640) / 22.4 (25.2)	
	PACKING DIMENSION () - PANEL	HEIGHT		mm/in	317 (127) / 12.5 (5)	
		WIDTH		mm/in	630 (700) / 24.8 (27.6)	
		DEPTH		mm/in	630 (700) / 24.8 (27.6)	
	UNIT WEIGHT (UNIT + PANEL)			kg/lb	22 + 2 / 48.5 + 4.4	23 + 2 / 50.7 + 4.4
	CONDENSATE DRAIN SIZE			mm/in	19.05 / 3/4	
OUTDOOR UNIT	AIR FLOW			CFM / /s	800 / 378	900 / 425
	SOUND PRESSURE			dBA	47.5	48
	UNIT DIMENSION	HEIGHT		mm/in	540 / 21.3	
		WIDTH		mm/in	700 (+70) / 27.6 (+2.8)	
		DEPTH		mm/in	250 / 9.8	
	PACKING DIMENSION	HEIGHT		mm/in	601 / 23.7	
		WIDTH		mm/in	803 / 31.6	
		DEPTH		mm/in	320 / 12.6	
	UNIT WEIGHT			kg/lb	38 / 83.6	
	PIPE CONNECTION	TYPE			FLARE	
		SIZE	LIQUID	mm/in	6.35 / 1/4	6.35 / 1/4
			GAS	mm/in	9.52 / 3/8	12.7 / 1/2
REFRIGERANT CHARGE				kg/lb	0.8 / 1.76	0.94 / 2.07

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2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 5151.
3) NOMINAL COOLING CAPACITY IS BASED ON THE CONDITIONS BELOW:
a) COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR
b) HEATING - 20°C DB INDOOR AND 7°DB / 6°C WB OUTDOOR
4) SOUND PRESSURE LEVEL ARE ACCORDING TO THE JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1.0 m IN FRONT AND 1.0 m BELOW THE UNIT

General Data - Heatpump

MODEL	**INDOOR UNIT**				**M5CKX 020CR**
	OUTDOOR UNIT				**M5LCX 020CR**
NOMINAL COOLING CAPACITY				**Btu/h**	18,000 (5,000 - 20,000)
				W	5,275 (1,465 - 5,862)
NOMINAL HEATING CAPACITY				**Btu/h**	19,000 (5,000 - 21,000)
				W	5,668 (1,465 - 6,155)
NOMINAL TOTAL INPUT POWER (COOLING)				**W**	1,646 (497 - 1,856)
NOMINAL TOTAL INPUT POWER (HEATING)				**W**	1,645 (520 - 2,191)
NOMINAL RUNNING CURRENT (COOLING)				**A**	7.23 (2.10 - 8.12)
NOMINAL RUNNING CURRENT (HEATING)				**A**	7.22 (2.20 - 9.61)
POWER SOURCE				**V/Ph/Hz**	230 /1/ 50
EER				**W/ W**	3.2
COP				**W/ W**	3.45
REFRIGERANT TYPE					R410A
REFRIGERANT CONTROL (EXPANSION DEVICE)					OUTDOOR EXV
INDOOR UNIT	**CONTROL**	**AIR DISCHARGE**			4 WAY AUTOMATIC LOUVER (UP & DOWN)
		OPERATION			WIRELESS OR WIREDE MICROCOMPUTER REMOTE CONTROL
	AIR FLOW	**HIGH**		**CFM / l/s**	450 / 212
		MEDIUM		**CFM / l/s**	430 / 203
		LOW		**CFM / l/s**	410 / 194
	SOUND PRESSURE (H/M/L)			**dBA**	47 / 46 / 44
	UNIT DIMENSION () - WITH PANEL	**HEIGHT**		**mm/in**	250 (295) / 9.8 (11.6)
		WIDTH		**mm/in**	570 (640) / 22.4 (25.2)
		DEPTH		**mm/in**	570 (640) / 22.4 (25.2)
	PACKING DIMENSION () - PANEL	**HEIGHT**		**mm/in**	317 (127) / 12.5 (5)
		WIDTH		**mm/in**	630 (700) / 24.8 (27.6)
		DEPTH		**mm/in**	630 (700) / 24.8 (27.6)
	UNIT WEIGHT (UNIT + PANEL)			**kg/lb**	23 + 2 / 50.7 + 4.4
	CONDENSATE DRAIN SIZE			**mm/in**	19.05 / 3/4
OUTDOOR UNIT	**AIR FLOW**			**CFM / l/s**	1500 / 708
	SOUND PRESSURE			**dBA**	53
	UNIT DIMENSION	**HEIGHT**		**mm/in**	757 / 6.67
		WIDTH		**mm/in**	855 (+70) / 33.7 (+2.7)
		DEPTH		**mm/in**	328 / 12.9
	PACKING DIMENSION	**HEIGHT**		**mm/in**	785 / 30.9
		WIDTH		**mm/in**	983 / 38.7
		DEPTH		**mm/in**	405 / 15.9
	UNIT WEIGHT			**kg/lb**	50 / 110
	PIPE CONNECTION	**TYPE**			FLARE
		SIZE	**LIQUID**	**mm/in**	6.35 / 1/4
			GAS	**mm/in**	12.7 / 1/2
REFRIGERANT CHARGE				**kg/lb**	1.3 / 2.86

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a) COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR
b) HEATING - 20°C DB INDOOR AND 7°DB / 6°C WB OUTDOOR
4) SOUND PRESSURE LEVEL ARE ACCORDING TO THE JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1.0 m IN FRONT AND 1.0 m BELOW THE UNIT

General Data - Cooling

MODEL		INDOOR UNIT			M5CMX 015E
		OUTDOOR UNIT			M5LCX 015C
NOMINAL CAPACITY				Btu/h	12000
				W	3520
NOMINAL TOTAL INPUT POWER				W	1130
NOMINAL RUNNING CURRENT				A	5.5
POWER SOURCE				V/Ph/Hz	220 - 240 / 1 / 50
EER				W/W	3.12
REFRIGERANT TYPE					R410A
REFRIGERANT CONTROL (EXPANSION DEVICE)					OUTDOOR EXV
INDOOR UNIT	CONTROL	AIR DISCHARGE			AUTOMATIC LOUVER (UP & DOWN)
		OPERATION			WIRELESS OR WIRED MICROCOMPUTER REMOTE CONTROL
	AIR FLOW	HIGH		l/s / CFM	240 / 508
		MEDIUM		l/s / CFM	182 / 386
		LOW		l/s / CFM	165 / 350
	EXTERNAL STATIC PRESSURE (H/M/L)			Pa / in.wg.	0
	SOUND PRESSURE LEVEL (H/M/L)			dBA	42 / 38 / 36
	UNIT DIMENSION	HEIGHT		mm/in	218 / 8.6
		WIDTH		mm/in	1080 / 42.5
		DEPTH		mm/in	630 / 24.8
	PACKING DIMENSION	HEIGHT		mm/in	297 / 11.7
		WIDTH		mm/in	1197 / 47.1
		DEPTH		mm/in	740 / 29.1
	UNIT WEIGHT			kg/lb	26
	CONDENSATE DRAIN SIZE			mm/in	19.1 / 3/4
OUTDOOR UNIT	AIR FLOW			l/s / CFM	453 / 960
	SOUND PRESSURE LEVEL			dBA	49
	UNIT DIMENSION	HEIGHT		mm/in	540 / 21.3
		WIDTH		mm/in	700 / 27.6
		DEPTH		mm/in	250 / 9.8
	PACKING DIMENSION	HEIGHT		mm/in	620 / 24.4
		WIDTH		mm/in	810 / 31.9
		DEPTH		mm/in	330 / 13.0
	UNIT WEIGHT			kg/lb	32 / 71
	PIPE CONNECTION	TYPE			FLARE VALVE
		SIZE	LIQUID	mm/in	6.4 / 1/4
			GAS	mm/in	12.7 / 1/2
REFRIGERANT CHARGE				kg/lb	0.9 / 1.98

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a) COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR
4) SOUND PRESSURE LEVEL ARE ACCORDING TO JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1m IN FRONT AND 1m BELOW THE UNIT.

General Data - Cooling (With Torque Control)

MODEL		INDOOR UNIT			M5CMX 015E
		OUTDOOR UNIT			M5LCX 015C
NOMINAL CAPACITY				Btu/h	12000
				W	3520
NOMINAL TOTAL INPUT POWER				W	1135
NOMINAL RUNNING CURRENT				A	5.4
POWER SOURCE				V/Ph/Hz	220 - 240 / 1 / 50
EER				W/W	3.10
REFRIGERANT TYPE					R410A
REFRIGERANT CONTROL (EXPANSION DEVICE)					OUTDOOR EXV
INDOOR UNIT	CONTROL	AIR DISCHARGE			AUTOMATIC LOUVER (UP & DOWN)
		OPERATION			WIRELESS OR WIRED MICROCOMPUTER REMOTE CONTROL
	AIR FLOW	HIGH		l/s / CFM	240 / 508
		MEDIUM		l/s / CFM	182 / 386
		LOW		l/s / CFM	165 / 350
	EXTERNAL STATIC PRESSURE (H/M/L)			Pa / in.wg.	0
	SOUND PRESSURE LEVEL (H/M/L)			dBA	42 / 38 / 36
	UNIT DIMENSION	HEIGHT		mm/in	218 / 8.6
		WIDTH		mm/in	1080 / 42.5
		DEPTH		mm/in	630 / 24.8
	PACKING DIMENSION	HEIGHT		mm/in	297 / 11.7
		WIDTH		mm/in	1197 / 47.1
		DEPTH		mm/in	740 / 29.1
	UNIT WEIGHT			kg/lb	26
	CONDENSATE DRAIN SIZE			mm/in	19.1 / 3/4
OUTDOOR UNIT	AIR FLOW			l/s / CFM	453 / 960
	SOUND PRESSURE LEVEL			dBA	49
	UNIT DIMENSION	HEIGHT		mm/in	540 / 21.3
		WIDTH		mm/in	700 / 27.6
		DEPTH		mm/in	250 / 9.8
	PACKING DIMENSION	HEIGHT		mm/in	620 / 24.4
		WIDTH		mm/in	810 / 31.9
		DEPTH		mm/in	330 / 13.0
	UNIT WEIGHT			kg/lb	32 / 71
	PIPE CONNECTION	TYPE			FLARE VALVE
		SIZE	LIQUID	mm/in	6.4 / 1/4
			GAS	mm/in	12.7 / 1/2
REFRIGERANT CHARGE				kg/lb	0.94 / 2.07

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General Data - Cooling

MODEL		INDOOR UNIT			M5CMX 020E	M5CMX 025E
		OUTDOOR UNIT			M5LCX 020C	M5LCX 025C
NOMINAL COOLING CAPACITY				Btu/h	18,000 (5,000 - 20,000)	21,000 (5,000 - 23,000)
				W	5,280 (1,465 - 5,862)	6,155 (1,465 - 6,741)
NOMINAL TOTAL INPUT POWER				W	1,663	2,025
NOMINAL RUNNING CURRENT				A	7.34	8.93
POWER SOURCE				V/Ph/Hz	220-240/1/50	
EER				W/ W	3.17	3.04
REFRIGERANT TYPE					R410A	
REFRIGERANT CONTROL (EXPANSION DEVICE)					OUTDOOR EXV	
INDOOR UNIT	CONTROL	AIR DISCHARGE			AUTOMATIC LOUVER (UP & DOWN)	
		OPERATION			WIRELESS OR WIRED MICROCOMPUTER REMOTE CONTROL	
	AIR FLOW	HIGH		CFM / l/s	520 / 245	580 / 274
		MEDIUM		CFM / l/s	460 / 217	530 / 250
		LOW		CFM / l/s	406 / 192	490 / 231
	SOUND PRESSURE (H/M/L)			dBA	48 / 46 / 43	50 / 47 / 46
	UNIT DIMENSION	HEIGHT		mm/in	218 / 8.58	
		WIDTH		mm/in	1080 / 42.52	
		DEPTH		mm/in	630 / 24.80	
	PACKING DIMENSION	HEIGHT		mm/in	297 / 11.69	
		WIDTH		mm/in	1197 / 47.13	
		DEPTH		mm/in	740 / 29.13	
	UNIT WEIGHT			kg/lb	27 / 60	
	CONDENSATE DRAIN SIZE			mm/in	19.05 / 3/4	
OUTDOOR UNIT	AIR FLOW			CFM / l/s	1300 / 615	1600 / 755
	SOUND PRESSURE			dBA	53	56
	UNIT DIMENSION	HEIGHT		mm/in	757 / 29.8	
		WIDTH		mm/in	855 (+70) / 33.7 (+2.7)	
		DEPTH		mm/in	328 / 12.9	
	PACKING DIMENSION	HEIGHT		mm/in	785 / 30.9	
		WIDTH		mm/in	983 / 38.7	
		DEPTH		mm/in	405 / 15.9	
	UNIT WEIGHT			kg/lb	50 / 110	
	PIPE CONNECTION	TYPE			FLARE	
		SIZE	LIQUID	mm/in	6.35 / 1/4	6.35 / 1/4
			GAS	mm/in	12.7 / 1/2	15.8 / 5/8
REFRIGERANT CHARGE				kg/lb	1.3 / 2.86	1.4 / 3.08

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General Data - Heatpump

MODEL		INDOOR UNIT			M5CMX 015ER
		OUTDOOR UNIT			M5LCX 015CR
NOMINAL COOLING CAPACITY				Btu/h	12000
				W	3520
NOMINAL HEATING CAPACITY				Btu/h	14000
				W	4100
NOMINAL TOTAL INPUT POWER (COOLING)				W	1130
NOMINAL TOTAL INPUT POWER (HEATING)				W	1305
NOMINAL RUNNING CURRENT (COOLING)				A	5.5
NOMINAL RUNNING CURRENT (HEATING)				A	6.4
POWER SOURCE				V/Ph/Hz	220 - 240 / 1 / 50
EER				W/W	3.12
COP				W/W	3.14
REFRIGERANT TYPE					R410A
REFRIGERANT CONTROL (EXPANSION DEVICE)					OUTDOOR EXV
INDOOR UNIT	CONTROL	AIR DISCHARGE			AUTOMATIC LOUVER (UP & DOWN)
		OPERATION			WIRELESS OR WIRED MICROCOMPUTER REMOTE CONTROL
	AIR FLOW	HIGH		l/s / CFM	240 / 508
		MEDIUM		l/s / CFM	182 / 386
		LOW		l/s / CFM	165 / 350
	EXTERNAL STATIC PRESSURE (H/M/L)			Pa / in.wg.	0
	SOUND PRESSURE LEVEL (H/M/L)			dBA	42 / 38 / 36
	UNIT DIMENSION	HEIGHT		mm/in	218 / 8.6
		WIDTH		mm/in	1080 / 42.5
		DEPTH		mm/in	630 / 24.8
	PACKING DIMENSION	HEIGHT		mm/in	297 / 11.7
		WIDTH		mm/in	1197 / 47.1
		DEPTH		mm/in	740 / 29.1
	UNIT WEIGHT			kg/lb	26
	CONDENSATE DRAIN SIZE			mm/in	19.1 / 3/4
OUTDOOR UNIT	AIR FLOW			l/s / CFM	453 / 960
	SOUND PRESSURE LEVEL			dBA	49
	UNIT DIMENSION	HEIGHT		mm/in	540 / 21.3
		WIDTH		mm/in	700 / 27.6
		DEPTH		mm/in	250 / 9.8
	PACKING DIMENSION	HEIGHT		mm/in	620 / 24.4
		WIDTH		mm/in	810 / 31.9
		DEPTH		mm/in	330 / 13.0
	UNIT WEIGHT			kg/lb	32 / 71
	PIPE CONNECTION	TYPE			FLARE VALVE
		SIZE	LIQUID	mm/in	6.4 / 1/4
			GAS	mm/in	12.7 / 1/2
REFRIGERANT CHARGE				kg/lb	0.9 / 1.98

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a) COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR
b) HEATING - 20°C DB INDOOR AND 7°DB / 6°C WB OUTDOOR
4) SOUND PRESSURE LEVEL ARE ACCORDING TO THE JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1.0 m IN FRONT AND 1.0 m BELOW THE UNIT

General Data - Heatpump (With Torque Control)

MODEL		INDOOR UNIT			M5CMX 015ER
		OUTDOOR UNIT			M5LCX 015CR
NOMINAL COOLING CAPACITY				Btu/h	12000
				W	3520
NOMINAL HEATING CAPACITY				Btu/h	13000
				W	3810
NOMINAL TOTAL INPUT POWER (COOLING)				W	1135
NOMINAL TOTAL INPUT POWER (HEATING)				W	1092
NOMINAL RUNNING CURRENT (COOLING)				A	5.4
NOMINAL RUNNING CURRENT (HEATING)				A	5.1
POWER SOURCE				V/Ph/Hz	220 - 240 / 1 / 50
EER				W/W	3.10
COP				W/W	3.49
REFRIGERANT TYPE					R410A
REFRIGERANT CONTROL (EXPANSION DEVICE)					OUTDOOR EXV
INDOOR UNIT	CONTROL	AIR DISCHARGE			AUTOMATIC LOUVER (UP & DOWN)
		OPERATION			WIRELESS OR WIRED MICROCOMPUTER REMOTE CONTROL
	AIR FLOW	HIGH		l/s / CFM	240 / 508
		MEDIUM		l/s / CFM	182 / 386
		LOW		l/s / CFM	165 / 350
	EXTERNAL STATIC PRESSURE (H/M/L)			Pa / in.wg.	0
	SOUND PRESSURE LEVEL (H/M/L)			dBA	42 / 38 / 36
	UNIT DIMENSION	HEIGHT		mm/in	218 / 8.6
		WIDTH		mm/in	1080 / 42.5
		DEPTH		mm/in	630 / 24.8
	PACKING DIMENSION	HEIGHT		mm/in	297 / 11.7
		WIDTH		mm/in	1197 / 47.1
		DEPTH		mm/in	740 / 29.1
	UNIT WEIGHT			kg/lb	26
	CONDENSATE DRAIN SIZE			mm/in	19.1 / 3/4
OUTDOOR UNIT	AIR FLOW			l/s / CFM	453 / 960
	SOUND PRESSURE LEVEL			dBA	49
	UNIT DIMENSION	HEIGHT		mm/in	540 / 21.3
		WIDTH		mm/in	700 / 27.6
		DEPTH		mm/in	250 / 9.8
	PACKING DIMENSION	HEIGHT		mm/in	620 / 24.4
		WIDTH		mm/in	810 / 31.9
		DEPTH		mm/in	330 / 13.0
	UNIT WEIGHT			kg/lb	32 / 71
	PIPE CONNECTION	TYPE			FLARE VALVE
		SIZE	LIQUID	mm/in	6.4 / 1/4
			GAS	mm/in	12.7 / 1/2
REFRIGERANT CHARGE				kg/lb	0.94 / 2.07

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a) COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR
b) HEATING - 20°C DB INDOOR AND 7°DB / 6°C WB OUTDOOR
4) SOUND PRESSURE LEVEL ARE ACCORDING TO THE JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1.0 m IN FRONT AND 1.0 m BELOW THE UNIT

General Data - Heatpump

MODEL		INDOOR UNIT			M5CMX 020ER	M5CMX 025ER
		OUTDOOR UNIT			M5LCX 020CR	M5LCX 025CR
NOMINAL COOLING CAPACITY				Btu/h	18,000 (5,000 - 20,000)	21,000 (5,000 - 23,000)
				W	5,275 (1,465 - 5,862)	6,155 (1,465 - 6,741)
NOMINAL HEATING CAPACITY				Btu/h	19,000 (5,000 - 22,000)	22,000 (5,000 - 25,000)
				W	5,568 (1,465 - 6,155)	6,448 (1,465 - 7,034)
NOMINAL TOTAL INPUT POWER (COOLING)				W	1,663	2,025
NOMINAL TOTAL INPUT POWER (HEATING)				W	1,662	2,047
NOMINAL RUNNING CURRENT (COOLING)				A	7.3	8.89
NOMINAL RUNNING CURRENT (HEATING)				A	7.3	9.02
POWER SOURCE				V/Ph/Hz	220-240/1/50	
EER				W/W	3.17	3.03
COP				W/W	3.35	3.15
REFRIGERANT TYPE					R410A	
REFRIGERANT CONTROL (EXPANSION DEVICE)					OUTDOOR EXV	
INDOOR UNIT	CONTROL	AIR DISCHARGE			AUTOMATIC LOUVER (UP & DOWN)	
		OPERATION			WIRELESS OR WIRED MICROCOMPUTER REMOTE CONTROL	
	AIR FLOW	HIGH		CFM / l/s	520 / 245	580 / 274
		MEDIUM		CFM / l/s	460 / 217	530 / 250
		LOW		CFM / l/s	406 / 192	490 / 231
	SOUND PRESSURE (H/M/L)			dBA	48 / 46 / 43	50 / 47 / 46
	UNIT DIMENSION	HEIGHT		mm/in	218 / 8.58	
		WIDTH		mm/in	1080 / 42.52	
		DEPTH		mm/in	630 / 24.80	
	PACKING DIMENSION	HEIGHT		mm/in	297 / 11.69	
		WIDTH		mm/in	1197 / 47.13	
		DEPTH		mm/in	740 / 29.13	
	UNIT WEIGHT			kg/lb	27 / 60	
	CONDENSATE DRAIN SIZE			mm/in	19.05 / 3/4	
OUTDOOR UNIT	AIR FLOW			CFM / l/s	1300 / 615	1600 / 755
	SOUND PRESSURE			dBA	53	56
	UNIT DIMENSION	HEIGHT		mm/in	757 / 29.8	
		WIDTH		mm/in	855 (+70) / 33.7 (+2.7)	
		DEPTH		mm/in	328 / 12.9	
	PACKING DIMENSION	HEIGHT		mm/in	785 / 30.9	
		WIDTH		mm/in	983 / 38.7	
		DEPTH		mm/in	405 / 15.9	
	UNIT WEIGHT			kg/lb	50 / 110	
	PIPE CONNECTION	TYPE			FLARE	
		SIZE	LIQUID	mm/in	6.35 / 1/4	6.35 / 1/4
			GAS	mm/in	12.7 / 1/2	15.8 / 5/8
REFRIGERANT CHARGE				kg/lb	1.3 / 2.86	1.4 / 3.08

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a) COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR
b) HEATING - 20°C DB INDOOR AND 7°DB / 6°C WB OUTDOOR
4) SOUND PRESSURE LEVEL ARE ACCORDING TO THE JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1.0 m IN FRONT AND 1.0 m BELOW THE UNIT

General Data - Cooling Only (With Torque Control)

MODEL		INDOOR UNIT			M5CCX 010C	M5CCX 015C
		OUTDOOR UNIT			M5LCX 010C	M5LCX 015C
NOMINAL CAPACITY				Btu/h	9,500 (2,772 - 12,000)	12,000 (2,772 - 15,000)
				W	2,784 (812 - 3517)	3,517 (812 - 4,396)
NOMINAL TOTAL INPUT POWER				W	830 (252 - 1,048)	1136 (278 - 1595)
NOMINAL RUNNING CURRENT				A	3.98 (1.32 - 4.87)	5.54 (1.26 - 7.43)
POWER SOURCE				V/Ph/Hz	220-240 / 1 /50	
EER				W/ W	3.35	3.09
REFRIGERANT TYPE					R410A	
REFRIGERANT CONTROL (EXPANSION DEVICE)					OUTDOOR EXV	
INDOOR UNIT	CONTROL	AIR DISCHARGE			DUCTED	
		OPERATION			SLM WIRED HANDSET	
	AIR FLOW	HIGH		CFM / l/s	268 / 127	426 / 201
		MEDIUM		CFM / l/s	254 / 120	390 / 184
		LOW		CFM / l/s	225 / 106	323 / 153
	SOUND PRESSURE (H/M/L)			dBA	33 / 30 / 26	37 / 34 / 29
	UNIT DIMENSION	HEIGHT		mm/in	261 / 10.28	
		WIDTH		mm/in	765 / 30.12	
		DEPTH		mm/in	411 / 16.18	
	PACKING DIMENSION	HEIGHT		mm/in	410 / 16.14	
		WIDTH		mm/in	951 / 37.44	
		DEPTH		mm/in	535 / 21.06	
	UNIT WEIGHT			kg/lb	17 / 37.5	21 / 46.3
	CONDENSATE DRAIN SIZE			mm/in	19.05 / 3/4	
OUTDOOR UNIT	AIR FLOW			CFM / l/s	800 / 378	900 / 425
	SOUND PRESSURE			dBA	47	52
	UNIT DIMENSION	HEIGHT		mm/in	540 / 21.3	
		WIDTH		mm/in	700 (+70) / 27.6 (+2.8)	
		DEPTH		mm/in	250 / 9.8	
	PACKING DIMENSION	HEIGHT		mm/in	601 / 23.7	
		WIDTH		mm/in	803 / 31.6	
		DEPTH		mm/in	320 / 12.6	
	UNIT WEIGHT			kg/lb	38 / 83.6	
	PIPE CONNECTION	TYPE			FLARE	
		SIZE	LIQUID	mm/in	6.35 / 1/4	6.35 / 1/4
			GAS	mm/in	9.52 / 3/8	12.7 / 1/2
REFRIGERANT CHARGE				kg/lb	0.895 / 1.87	0.9 / 1.98

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2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 5151.
3) NOMINAL COOLING IS BASED ON THE CONDITIONS BELOW :
a) COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR
4) SOUND PRESSURE LEVEL ARE ACCORDING TO JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1m IN FRONT AND 1m BELOW THE UNIT.

General Data - Cooling Only

MODEL		INDOOR UNIT			M5CCX 020C	M5CCX 025C
		OUTDOOR UNIT			M5LCX 020C	M5LCX 025C
NOMINAL CAPACITY				Btu/h	18,000 (5,000 - 20,000)	21,000 (5,000 - 23,000)
				W	5,275 (1,465 - 5,862)	6,155 (1,465 - 6,741)
NOMINAL TOTAL INPUT POWER				W	1,683 (526 - 1885)	2,045 (529 - 2,513)
NOMINAL RUNNING CURRENT				A	7.55 (2.11 - 8.13)	9.11 (2.11 - 10.91)
POWER SOURCE				V/Ph/Hz	220-240 / 1 /50	
EER				W/ W	3.13	3
REFRIGERANT TYPE					R410A	
REFRIGERANT CONTROL (EXPANSION DEVICE)					OUTDOOR EXV	
INDOOR UNIT	CONTROL	AIR DISCHARGE			DUCTED	
		OPERATION			SLM WIRED HANDSET	
	AIR FLOW	HIGH		CFM / l/s	575 / 272	780 / 389
		MEDIUM		CFM / l/s	563 / 266	660 / 312
		LOW		CFM / l/s	479 / 266	600 / 284
	SOUND PRESSURE (H/M/L)			dBA	38 / 36 / 34	40 / 39 / 36
	UNIT DIMENSION	HEIGHT		mm/in	261 / 10.28	261 / 10.28
		WIDTH		mm/in	1065 / 41.93	1200 / 47.24
		DEPTH		mm/in	411 / 16.18	411 / 16.18
	PACKING DIMENSION	HEIGHT		mm/in	410 / 16.14	410 / 16.14
		WIDTH		mm/in	951 / 37.44	1251 / 49.25
		DEPTH		mm/in	535 / 21.06	535 / 21.06
	UNIT WEIGHT			kg/lb	22 / 48.5	25 / 55.1
	CONDENSATE DRAIN SIZE			mm/in	19.05 / 3/4	
OUTDOOR UNIT	AIR FLOW			CFM / l/s	1500 / 708	1600 / 757
	SOUND PRESSURE			dBA	53	56
	UNIT DIMENSION	HEIGHT		mm/in	757 / 6.67	
		WIDTH		mm/in	855 (+70) / 33.7 (+2.7)	
		DEPTH		mm/in	328 / 12.9	
	PACKING DIMENSION	HEIGHT		mm/in	785 / 30.9	
		WIDTH		mm/in	983 / 38.7	
		DEPTH		mm/in	405 / 15.9	
	UNIT WEIGHT			kg/lb	50 / 110	
	PIPE CONNECTION	TYPE			FLARE	
		SIZE	LIQUID	mm/in	6.35 / 1/4	6.35 / 1/4
			GAS	mm/in	12.7 / 1/2	15.88 / 5/8
REFRIGERANT CHARGE				kg/lb	1.3 / 2.86	1.4 / 3 / 08

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3) NOMINAL COOLING IS BASED ON THE CONDITIONS BELOW :
a) COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR
4) SOUND PRESSURE LEVEL ARE ACCORDING TO JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1m IN FRONT AND 1m BELOW THE UNIT.

General Data - Heatpump

MODEL	INDOOR UNIT			M5CCX 010CR	M5CCX 015CR
	OUTDOOR UNIT			M5LCX 010CR	M5LCX 015CR
NOMINAL COOLING CAPACITY			Btu/h	9,500 (2,772 - 12,000)	12,000 (2,772 - 15,000)
			W	2,784 (812 - 3517)	3,517 (812 - 4,396)
NOMINAL HEATING CAPACITY			Btu/h	11,500 (2,700 - 15,000)	13,000 (2,700 - 17,000)
			W	3,370 (791 - 4,396)	3,810 (791 - 4983)
NOMINAL TOTAL INPUT POWER (COOLING)			W	830 (252 - 1,048)	1136 (278 - 1595)
NOMINAL TOTAL INPUT POWER (HEATING)			W	940 (241 - 1,465)	1093 (267 - 1901)
NOMINAL RUNNING CURRENT (COOLING)			A	3.98 (1.32 - 4.87)	5.54 (1.26 - 7.43)
NOMINAL RUNNING CURRENT (HEATING)			A	4.58 (1.22 - 6.78)	5.24 (1.16 - 8.24)
POWER SOURCE			V/Ph/Hz	220-240 / 1 /50	
EER			W/W	3.35	3.10
COP			W/W	3.59	3.49
REFRIGERANT TYPE				R410A	
REFRIGERANT CONTROL (EXPANSION DEVICE)				OUTDOOR EXV	
INDOOR UNIT	CONTROL	AIR DISCHARGE		DUCTED	
		OPERATION		SLM WIRED HANDSET	
	AIR FLOW	HIGH	CFM / l/s	268 / 127	426 / 201
		MEDIUM	CFM / l/s	254 / 120	390 / 184
		LOW	CFM / l/s	225 / 106	323 / 153
	SOUND PRESSURE (H/M/L)		dBA	33 / 30 / 26	37 / 34 / 29
	UNIT DIMENSION	HEIGHT	mm/in	261 / 10.28	
		WIDTH	mm/in	765 / 30.12	
		DEPTH	mm/in	411 / 16.18	
	PACKING DIMENSION	HEIGHT	mm/in	410 / 16.14	
		WIDTH	mm/in	951 / 37.44	
		DEPTH	mm/in	535 / 21.06	
	UNIT WEIGHT		kg/lb	17 / 37.5	21 / 46.3
	CONDENSATE DRAIN SIZE		mm/in	19.05 / 3/4	
OUTDOOR UNIT	AIR FLOW		CFM / l/s	800 / 378	900 / 425
	SOUND PRESSURE		dBA	47	52
	UNIT DIMENSION	HEIGHT	mm/in	540 / 21.3	
		WIDTH	mm/in	700 (+70) / 27.6 (+2.8)	
		DEPTH	mm/in	250 / 9.8	
	PACKING DIMENSION	HEIGHT	mm/in	601 / 23.7	
		WIDTH	mm/in	803 / 31.6	
		DEPTH	mm/in	320 / 12.6	
	UNIT WEIGHT		kg/lb	38 / 83.6	
	PIPE CONNECTION	TYPE		FLARE	
		SIZE - LIQUID	mm/in	6.35 / 1/4	6.35 / 1/4
		SIZE - GAS	mm/in	9.52 / 3/8	12.7 / 1/2
REFRIGERANT CHARGE			kg/lb	0.895 / 1.87	0.9 / 1.98

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2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 5151.
3) NOMINAL COOLING CAPACITY IS BASED ON THE CONDITIONS BELOW:
a) COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR
b) HEATING - 20°C DB INDOOR AND 7°DB / 6°C WB OUTDOOR
4) SOUND PRESSURE LEVEL ARE ACCORDING TO THE JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1.0 m IN FRONT AND 1.0 m BELOW THE UNIT

General Data - Heatpump

MODEL		INDOOR UNIT			M5CCX 020CR	M5CCX 025CR
		OUTDOOR UNIT			M5LCX 020CR	M5LCX 025CR
NOMINAL COOLING CAPACITY				Btu/h	18,000 (5,000 - 20,000)	21,000 (5,000 - 23,000)
				W	5,275 (1,465 - 5,862)	6,155 (1,465 - 6,741)
NOMINAL HEATING CAPACITY				Btu/h	19,000 (5,000 - 21,000)	22,000 (5,000 - 25,000)
				W	5,568 (1,465 - 6,155)	6,448 (1,465 - 7,034)
NOMINAL TOTAL INPUT POWER (COOLING)				W	1,683 (526 - 1885)	2,045 (529 - 2,513)
NOMINAL TOTAL INPUT POWER (HEATING)				W	1,682 (549 - 2220)	2,067 (552 - 2,316)
NOMINAL RUNNING CURRENT (COOLING)				A	7.55 (2.11 - 8.13)	9.11 (2.11 - 10.91)
NOMINAL RUNNING CURRENT (HEATING)				A	7.54 (2.21 - 9.62)	9.24 (2.21 - 10.24)
POWER SOURCE				V/Ph/Hz	220-240 / 1 /50	
EER				W/W	3.13	3.00
COP				W/W	3.31	3.12
REFRIGERANT TYPE					R410A	
REFRIGERANT CONTROL (EXPANSION DEVICE)					OUTDOOR EXV	
INDOOR UNIT	CONTROL	AIR DISCHARGE			DUCTED	
		OPERATION			SLM WIRED HANDSET	
	AIR FLOW	HIGH		CFM / l/s	575 / 272	780 / 389
		MEDIUM		CFM / l/s	563 / 266	660 / 312
		LOW		CFM / l/s	479 / 266	600 / 284
	SOUND PRESSURE (H/M/L)			dBA	38 / 36 / 34	40 / 39 / 36
	UNIT DIMENSION	HEIGHT		mm/in	261 / 10.28	261 / 10.28
		WIDTH		mm/in	1065 / 41.93	1200 / 47.24
		DEPTH		mm/in	411 / 16.18	411 / 16.18
	PACKING DIMENSION	HEIGHT		mm/in	410 / 16.14	410 / 16.14
		WIDTH		mm/in	951 / 37.44	1251 / 49.25
		DEPTH		mm/in	535 / 21.06	535 / 21.06
	UNIT WEIGHT			kg/lb	22 / 48.5	25 / 55.1
	CONDENSATE DRAIN SIZE			mm/in	19.05 / 3/4	
OUTDOOR UNIT	AIR FLOW			CFM / l/s	1500 / 708	1600 / 757
	SOUND PRESSURE			dBA	53	56
	UNIT DIMENSION	HEIGHT		mm/in	757 / 6.67	
		WIDTH		mm/in	855 (+70) / 33.7 (+2.7)	
		DEPTH		mm/in	328 / 12.9	
	PACKING DIMENSION	HEIGHT		mm/in	785 / 30.9	
		WIDTH		mm/in	983 / 38.7	
		DEPTH		mm/in	405 / 15.9	
	UNIT WEIGHT			kg/lb	50 / 110	
	PIPE CONNECTION	TYPE			FLARE	
		SIZE	LIQUID	mm/in	6.35 / 1/4	6.35 / 1/4
			GAS	mm/in	12.7 / 1/2	15.88 / 5/8
REFRIGERANT CHARGE				kg/lb	1.3 / 2.86	1.4 / 3 / 08

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3) NOMINAL COOLING CAPACITY IS BASED ON THE CONDITIONS BELOW:
a) COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR
b) HEATING - 20°C DB INDOOR AND 7°DB / 6°C WB OUTDOOR
4) SOUND PRESSURE LEVEL ARE ACCORDING TO THE JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1.0 m IN FRONT AND 1.0 m BELOW THE UNIT

Components Data - Cooling Only

MODEL	INDOOR UNIT			M5WMX 010G	M5WMX 015G
	OUTDOOR UNIT			M5LCX 010C	M5LCX 015C
INDOOR FAN	TYPE			CROSS FLOW	
	Q'TY			1	
	MATERIAL			ACRYLO NITRILE STYRENE	
	DRIVE			DIRECT	
	DIAMETER		mm/in	97 / 3.8	
	LENGTH		mm/in	717.5 / 28.2	
INDOOR FAN MOTOR	TYPE			SCR MOTOR	
	Q'TY			1	
	MOTOR PROTECTION			IP24	
OUTDOOR FAN	TYPE			PROPELLER FAN	
	Q'TY			1	
	MATERIAL			GLASS REINFORCED ACRLY STYRENE RESIN	
	DRIVE			DIRECT	
	DIAMETER		mm/in	406 / 16	
OUTDOOR FAN MOTOR	TYPE			PERMANENT SPLIT CAPACITOR INDUCTION	
	Q'TY			1	
	MOTOR PROTECTION			IP33	
COMPRESSOR	TYPE			DC BRUSHLESS SCROLL	
	OIL TYPE			Polyoester oil (POE)	
	OIL AMOUNT		cm^3	360	
INDOOR COIL	TUBE	MATERIAL		SEAMLESS COPPER	
		DIAMETER	mm/in	7 / 0.276	
		THICKNESS	mm/in	0.28 / 0.011	
	FIN	MATERIAL		ALUMINIUM (HYDROPHILIC)	
		THICKNESS	mm/in	0.11 / 0.0043	
		FACE AREA	m^2/ft^2	0.193 / 2.08	
		ROW		2	
		FIN PER INCH		18	
OUTDOOR COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVED COPPER	
		DIAMETER	mm/in	7 / 0.276	
		THICKNESS	mm/in	0.32 / 0.013	
	FIN	MATERIAL		ALUMINIUM (HYDROPHILIC)	
		THICKNESS	mm/in	0.11 / 0.0043	
		FACE AREA	m^2/ft^2	0.35 / 3.78	
		ROW		2	
		FIN PER INCH		18	
FILTRATION	TYPE			SARANET	
	QUANTITY		pc	2	
	TYPE			ANTI-MICROBIAL	
	QUANTITY		pc	1	
	TYPE			TITANIUM OXIDE	
	QUANTITY		pc	1	
CASING	INDOOR UNIT		MATERIAL	HIGH IMPACT POLYSTYRENE	
			COLOUR	LIGHT GREY	
	OUTDOOR UNIT		MATERIAL	GALVANISED MILD STEEL	
			COLOUR	LIGHT GREY	

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Components Data - Cooling Only

MODEL	INDOOR UNIT			M5WMX 020G	M5WMX 025G
	OUTDOOR UNIT			M5LCX 020C	M5LCX 025C
INDOOR FAN	TYPE			CROSS FLOW	
	Q'TY			1	
	MATERIAL			ACRYLO NITRILE STYRENE	
	DRIVE			DIRECT	
	DIAMETER		mm/in	108 / 4.3	
	LENGTH		mm/in	810 / 32.9	
INDOOR FAN MOTOR	TYPE			SCR MOTOR	
	Q'TY			1	
	MOTOR PROTECTION			IP54	
OUTDOOR FAN	TYPE			PROPELLER FAN	
	Q'TY			1	
	MATERIAL			GLASS REINFORCED ACRYL STYRENE RESIN	
	DRIVE			DIRECT	
	DIAMETER		mm/in	460 / 18	
OUTDOOR FAN MOTOR	TYPE			PERMANENT SPLIT CAPACITOR INDUCTION	
	Q'TY			1	
	MOTOR PROTECTION			IP22	
COMPRESSOR	TYPE			DC BRUSHLESS SCROLL	
	OIL TYPE			Polyoester oil (POE)	
	OIL AMOUNT		cm^3	480	
INDOOR COIL	TUBE	MATERIAL		SEAMLESS COPPER TUBE	
		DIAMETER	mm/in	7 / 0.276	
		THICKNESS	mm/in	0.28 / 0.011	
	FIN	MATERIAL		ALUMINIUM (HYDROPHILIC)	
		THICKNESS	mm/in	0.11 / 0.0043	
		FACE AREA	m^2/ft^2	0.269 / 2.90	
		ROW		2	
		FIN PER INCH		18	
OUTDOOR COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVED COPPER TUBE	
		DIAMETER	mm/in	7 / 0.276	
		THICKNESS	mm/in	0.32 / 0.013	
	FIN	MATERIAL		ALUMINIUM (HYDROPHILIC)	
		THICKNESS	mm/in	0.11 / 0.0043	
		FACE AREA	m^2/ft^2	0.62 / 6.67	
		ROW		2	
		FIN PER INCH		20	
FILTRATION	TYPE			SARANET	
	QUANTITY		pc	2	
	TYPE			ANTI-MICROBIAL	
	QUANTITY		pc	1	
	TYPE			TITANIUM OXIDE	
	QUANTITY		pc	1	
CASING	INDOOR UNIT		MATERIAL	HIGH IMPACT POLYSTYRENE	
			COLOUR	LIGHT GREY	
	OUTDOOR UNIT		MATERIAL	GALVANISED MILD STEEL	
			COLOUR	LIGHT GREY	

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Components Data - Cooling Only

MODEL	INDOOR UNIT			M5WMX 010G	M5WMX 015G
	OUTDOOR UNIT			M5LCX 010C	M5LCX 015C
INDOOR FAN	TYPE			CROSS FLOW	
	Q'TY			1	
	MATERIAL			ACRYLO NITRILE STYRENE	
	DRIVE			DIRECT	
	DIAMETER		mm/in	97 / 3.8	
	LENGTH		mm/in	717.5 / 28.2	
INDOOR FAN MOTOR	TYPE			SCR MOTOR	
	Q'TY			1	
	MOTOR PROTECTION			IP24	
OUTDOOR FAN	TYPE			PROPELLER FAN	
	Q'TY			1	
	MATERIAL			GLASS REINFORCED ACRLY STYRENE RESIN	
	DRIVE			DIRECT	
	DIAMETER		mm/in	406 / 16	
OUTDOOR FAN MOTOR	TYPE			PERMANENT SPLIT CAPACITOR INDUCTION	
	Q'TY			1	
	MOTOR PROTECTION			IP33	
COMPRESSOR	TYPE			DC ROTARY	
	OIL TYPE			RB68A	
	OIL AMOUNT		cm^3	320	
INDOOR COIL	TUBE	MATERIAL		SEAMLESS COPPER	
		DIAMETER	mm/in	7 / 0.276	
		THICKNESS	mm/in	0.28 / 0.011	
	FIN	MATERIAL		ALUMINIUM (HYDROPHILIC)	
		THICKNESS	mm/in	0.11 / 0.0043	
		FACE AREA	m^2/ft^2	0.193 / 2.08	
		ROW		2	
		FIN PER INCH		18	
OUTDOOR COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVED COPPER	
		DIAMETER	mm/in	7 / 0.276	
		THICKNESS	mm/in	0.32 / 0.013	
	FIN	MATERIAL		ALUMINIUM (HYDROPHILIC)	
		THICKNESS	mm/in	0.11 / 0.0043	
		FACE AREA	m^2/ft^2	0.35 / 3.78	
		ROW		2	
		FIN PER INCH		18	
FILTRATION	TYPE			SARANET	
	QUANTITY		pc	2	
	TYPE			ANTI-MICROBIAL	
	QUANTITY		pc	1	
	TYPE			TITANIUM OXIDE	
	QUANTITY		pc	1	
CASING	INDOOR UNIT		MATERIAL	HIGH IMPACT POLYSTYRENE	
			COLOUR	LIGHT GREY	
	OUTDOOR UNIT		MATERIAL	GALVANISED MILD STEEL	
			COLOUR	LIGHT GREY	

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Components Data - Heatpump

MODEL	INDOOR UNIT			M5WMX 010GR	M5WMX 015GR
	OUTDOOR UNIT			M5LCX 010CR	M5LCX 015CR
INDOOR FAN	TYPE			CROSS FLOW	
	Q'TY			1	
	MATERIAL			ACRYLO NITRILE STYRENE	
	DRIVE			DIRECT	
	DIAMETER		mm/in	97 / 3.8	
	LENGTH		mm/in	717.5 / 28.2	
INDOOR FAN MOTOR	TYPE			SCR MOTOR	
	Q'TY			1	
	MOTOR PROTECTION			IP24	
OUTDOOR FAN	TYPE			PROPELLER FAN	
	Q'TY			1	
	MATERIAL			GLASS REINFORCED ACRLY STYRENE RESIN	
	DRIVE			DIRECT	
	DIAMETER		mm/in	406 / 16	
OUTDOOR FAN MOTOR	TYPE			PERMANENT SPLIT CAPACITOR INDUCTION	
	Q'TY			1	
	MOTOR PROTECTION			IP33	
COMPRESSOR	TYPE			DC BRUSHLESS SCROLL	
	OIL TYPE			Polyoester oil (POE)	
	OIL AMOUNT		cm^3	360	
INDOOR COIL	TUBE	MATERIAL		SEAMLESS COPPER	
		DIAMETER	mm/in	7 / 0.276	
		THICKNESS	mm/in	0.28 / 0.011	
	FIN	MATERIAL		ALUMINIUM (HYDROPHILIC)	
		THICKNESS	mm/in	0.11 / 0.0043	
		FACE AREA	m^2/ft^2	0.193 / 2.08	
		ROW		2	
		FIN PER INCH		18	
OUTDOOR COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVED COPPER	
		DIAMETER	mm/in	7 / 0.276	
		THICKNESS	mm/in	0.32 / 0.013	
	FIN	MATERIAL		ALUMINIUM (HYDROPHILIC)	
		THICKNESS	mm/in	0.11 / 0.0043	
		FACE AREA	m^2/ft^2	0.35 / 3.78	
		ROW		2	
		FIN PER INCH		18	
FILTRATION	TYPE			SARANET	
	QUANTITY		pc	2	
	TYPE			ANTI-MICROBIAL	
	QUANTITY		pc	1	
	TYPE			TITANIUM OXIDE	
	QUANTITY		pc	1	
CASING	INDOOR UNIT		MATERIAL	HIGH IMPACT POLYSTYRENE	
			COLOUR	LIGHT GREY	
	OUTDOOR UNIT		MATERIAL	GALVANISED MILD STEEL	
			COLOUR	LIGHT GREY	

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Components Data - Heatpump

MODEL	INDOOR UNIT			M5WMX 020GR	M5WMX 025GR
	OUTDOOR UNIT			M5LCX 020CR	M5LCX 025CR
INDOOR FAN	TYPE			CROSS FLOW	
	Q'TY			1	
	MATERIAL			ACRYLO NITRILE STYRENE	
	DRIVE			DIRECT	
	DIAMETER		mm/in	108 / 4.3	
	LENGTH		mm/in	810 / 32.9	
INDOOR FAN MOTOR	TYPE			SCR MOTOR	
	Q'TY			1	
	MOTOR PROTECTION			IP54	
OUTDOOR FAN	TYPE			PROPELLER FAN	
	Q'TY			1	
	MATERIAL			GLASS REINFORCED ACRYL STYRENE RESIN	
	DRIVE			DIRECT	
	DIAMETER		mm/in	460 / 18	
OUTDOOR FAN MOTOR	TYPE			PERMANENT SPLIT CAPACITOR INDUCTION	
	Q'TY			1	
	MOTOR PROTECTION			IP22	
COMPRESSOR	TYPE			DC BRUSHLESS SCROLL	
	OIL TYPE			Polyoester oil (POE)	
	OIL AMOUNT		cm^3	480	
INDOOR COIL	TUBE	MATERIAL		SEAMLESS COPPER TUBE	
		DIAMETER	mm/in	7 / 0.276	
		THICKNESS	mm/in	0.28 / 0.011	
	FIN	MATERIAL		ALUMINIUM (HYDROPHILIC)	
		THICKNESS	mm/in	0.11 / 0.0043	
		FACE AREA	m^2/ft^2	0.269 / 2.90	
		ROW		2	
		FIN PER INCH		18	
OUTDOOR COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVED COPPER TUBE	
		DIAMETER	mm/in	7 / 0.276	
		THICKNESS	mm/in	0.32 / 0.013	
	FIN	MATERIAL		ALUMINIUM (HYDROPHILIC)	
		THICKNESS	mm/in	0.11 / 0.0043	
		FACE AREA	m^2/ft^2	0.62 / 6.67	
		ROW		2	
		FIN PER INCH		20	
FILTRATION	TYPE			SARANET	
	QUANTITY		pc	2	
	TYPE			ANTI-MICROBIAL	
	QUANTITY		pc	1	
	TYPE			TITANIUM OXIDE	
	QUANTITY		pc	1	
CASING	INDOOR UNIT		MATERIAL	HIGH IMPACT POLYSTYRENE	
			COLOUR	LIGHT GREY	
	OUTDOOR UNIT		MATERIAL	GALVANISED MILD STEEL	
			COLOUR	LIGHT GREY	

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Components Data - Heatpump (With Torqur Control)

MODEL	INDOOR UNIT			M5WMX 010GR	M5WMX 015GR
	OUTDOOR UNIT			M5LCX 010CR	M5LCX 015CR
INDOOR FAN	TYPE			CROSS FLOW	
	Q'TY			1	
	MATERIAL			ACRYLO NITRILE STYRENE	
	DRIVE			DIRECT	
	DIAMETER		mm/in	97 / 3.8	
	LENGTH		mm/in	717.5 / 28.2	
INDOOR FAN MOTOR	TYPE			SCR MOTOR	
	Q'TY			1	
	MOTOR PROTECTION			IP24	
OUTDOOR FAN	TYPE			PROPELLER FAN	
	Q'TY			1	
	MATERIAL			GLASS REINFORCED ACRLY STYRENE RESIN	
	DRIVE			DIRECT	
	DIAMETER		mm/in	406 / 16	
OUTDOOR FAN MOTOR	TYPE			PERMANENT SPLIT CAPACITOR INDUCTION	
	Q'TY			1	
	MOTOR PROTECTION			IP33	
COMPRESSOR	TYPE			DC ROTARY	
	OIL TYPE			RB68A	
	OIL AMOUNT		cm^3	320	
INDOOR COIL	TUBE	MATERIAL		SEAMLESS COPPER	
		DIAMETER	mm/in	7 / 0.276	
		THICKNESS	mm/in	0.28 / 0.011	
	FIN	MATERIAL		ALUMINIUM (HYDROPHILIC)	
		THICKNESS	mm/in	0.11 / 0.0043	
		FACE AREA	m^2/ft^2	0.193 / 2.08	
		ROW		2	
		FIN PER INCH		18	
OUTDOOR COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVED COPPER	
		DIAMETER	mm/in	7 / 0.276	
		THICKNESS	mm/in	0.32 / 0.013	
	FIN	MATERIAL		ALUMINIUM (HYDROPHILIC)	
		THICKNESS	mm/in	0.11 / 0.0043	
		FACE AREA	m^2/ft^2	0.35 / 3.78	
		ROW		2	
		FIN PER INCH		18	
FILTRATION	TYPE			SARANET	
	QUANTITY		pc	2	
	TYPE			ANTI-MICROBIAL	
	QUANTITY		pc	1	
	TYPE			TITANIUM OXIDE	
	QUANTITY		pc	1	
CASING	INDOOR UNIT		MATERIAL	HIGH IMPACT POLYSTYRENE	
			COLOUR	LIGHT GREY	
	OUTDOOR UNIT		MATERIAL	GALVANISED MILD STEEL	
			COLOUR	LIGHT GREY	

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Components Data - Cooling Only

MODEL	INDOOR UNIT			M5CKX 020A	M5CKX 025A
	OUTDOOR UNIT			M5LCX 020C	M5LCX 025C
INDOOR FAN	TYPE			TURBO FAN	
	QUANTITY			1	
	MATERIAL			ASG20	
	DRIVE			DIRECT	
	DIAMETER		mm/in	450 / 17.72	
	LENGTH		mm/in	169.5 / 6.67	
INDOOR FAN MOTOR	TYPE			6-POLE MOTOR	
	Q'TY			1	
	INDEX OF PROTECTION (IP)			IP22	
OUTDOOR FAN	TYPE			PROPELLER	
	QUANTITY			1	
	MATERIAL			GLASS REINFORCED ACRLY STYRENE RESIN	
	DRIVE			DIRECT	
	DIAMETER		mm/in	460 / 18	
OUTDOOR FAN MOTOR	TYPE			6-POLE MOTOR	
	QUANTITY			1	
	INDEX OF PROTECTION (IP)			IP54	
COMPRESSOR	TYPE			DC INVERTER SCROLL	DC INVERTER ROTARY
	OIL TYPE			RB68A or Freol Alpha68M	
	OIL AMOUNT		cm^3 / fl.oz	670 / 23.6	1130 / 39.8
INDOOR COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVED TUBE	
		DIAMETER	mm/in	7.0 / 0.276	
		THICKNESS	mm/in	0.28 / 0.011	
	FIN	MATERIAL		ALUMINIUM (HYDROPHILIC)	
		THICKNESS	mm/in	0.11 / 0.0043	
		FACE AREA	m^2/ft^2	0.475 / 0.005	
		ROW		1	
		FIN PER INCH		20	
OUTDOOR COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVED COPPER TUBE	
		DIAMETER	mm/in	7.0 / 0.276	
		THICKNESS	mm/in	0.32 / 0.013	
	FIN	MATERIAL		ALUMINIUM (HYDROPHILIC)	
		THICKNESS	mm/in	0.11 / 0.0043	
		FACE AREA	m^2/ft^2	0.62 / 6.67	
		ROW		2	
		FIN PER INCH		20	
FILTRATION	TYPE			WASHABLE SARANET FILTER	
	QUANTITY		pc	1	
	DIMENSION (L x W x t)		mm/in	576.0 x 556.0 x 22.0 / 22.7 x 21.9 x 0.87	
CASING	INDOOR UNIT		MATERIAL	GALVANISED IRON	
			COLOUR	GREY	
	OUTDOOR UNIT		MATERIAL	GALVANISED MILD STEEL	
			COLOUR	LIGHT GREY	

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Components Data - Cooling Only

MODEL	INDOOR UNIT			M5CKX 010C	M5CKX 015C
	OUTDOOR UNIT			M5LCX 010C	M5LCX 015C
INDOOR FAN	TYPE			TURBO FAN	
	QUANTITY			1	
	MATERIAL			ASG20	
	DRIVE			DIRECT	
	DIAMETER		mm/in	330 / 13	
	LENGTH		mm/in	177.76 / 7	
INDOOR FAN MOTOR	TYPE			6 - POLE MOTOR	
	Q'TY			1	
	INDEX OF PROTECTION (IP)			-	
OUTDOOR FAN	TYPE			PROPELLER	
	QUANTITY			1	
	MATERIAL			GLASS REINFORCED ACRLY STYRENE RESIN	
	DRIVE			DIRECT	
	DIAMETER		mm/in	406 / 16	
OUTDOOR FAN MOTOR	TYPE			INDUCTION	
	QUANTITY			1	
	INDEX OF PROTECTION (IP)			IP54	
COMPRESSOR	TYPE			DC INVERTER ROTARY	
	OIL TYPE			RB68A or Freol Alpha68M	
	OIL AMOUNT		cm^3 / fl.oz	350 / 12.3	430 / 15.1
INDOOR COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVED TUBE	
		DIAMETER	mm/in	7.0 / 0.276	
		THICKNESS	mm/in	0.28 / 0.011	
	FIN	MATERIAL		ALUMINIUM (HYDROPHILIC)	
		THICKNESS	mm/in	0.11 / 0.0043	
		FACE AREA	m^2/ft^2	0.318 / 3.42	
		ROW		1	2
		FIN PER INCH		16	20
OUTDOOR COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVED COPPER TUBE	
		DIAMETER	mm/in	7.0 / 0.276	
		THICKNESS	mm/in	0.32 / 0.013	
	FIN	MATERIAL		ALUMINIUM (HYDROPHILIC)	
		THICKNESS	mm/in	0.11 / 0.0043	
		FACE AREA	m^2/ft^2	0.35 / 3.78	
		ROW		2	
		FIN PER INCH		18	
FILTRATION	TYPE			WASHABLE SARANET FILTER	
	QUANTITY		pc	1	
	DIMENSION (L x W x t)		mm/in	367.5 x 381.0 x 20.8 / 14.5 x 15.0 x 0.8	
CASING	INDOOR UNIT		MATERIAL	GALVANISED IRON	
			COLOUR	GREY	
	OUTDOOR UNIT		MATERIAL	GALVANISED MILD STEEL	
			COLOUR	LIGHT GREY	

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Components Data - Cooling Only

MODEL	**INDOOR UNIT**			**M5CKX 020C**
	OUTDOOR UNIT			**M5LCX 020C**
INDOOR FAN	**TYPE**			TURBO FAN
	QUANTITY			1
	MATERIAL			ASG20
	DRIVE			DIRECT
	DIAMETER		**mm/in**	330 / 13
	LENGTH		**mm/in**	177.76 / 7
INDOOR FAN MOTOR	**TYPE**			6-POLE MOTOR
	Q'TY			1
	INDEX OF PROTECTION (IP)			-
OUTDOOR FAN	**TYPE**			PROPELLER
	QUANTITY			1
	MATERIAL			GLASS REINFORCED ACRLY STYRENE RESIN
	DRIVE			DIRECT
	DIAMETER		**mm/in**	460 / 18
OUTDOOR FAN MOTOR	**TYPE**			6-POLE MOTOR
	QUANTITY			1
	INDEX OF PROTECTION (IP)			IP54
COMPRESSOR	**TYPE**			DC INVERTER SCROLL
	OIL TYPE			RB68A or Freol Alpha68M
	OIL AMOUNT		**cm³ / fl.oz**	670 / 23.6
INDOOR COIL	**TUBE**	**MATERIAL**		SEAMLESS INNER GROOVED TUBE
		DIAMETER	**mm/in**	7.0 / 0.276
		THICKNESS	**mm/in**	0.28 / 0.011
	FIN	**MATERIAL**		ALUMINIUM (HYDROPHILIC)
		THICKNESS	**mm/in**	0.11 / 0.0043
		FACE AREA	**m^2/ft^2**	0.318 / 3.42
		ROW		2
		FIN PER INCH		20
OUTDOOR COIL	**TUBE**	**MATERIAL**		SEAMLESS INNER GROOVED COPPER TUBE
		DIAMETER	**mm/in**	7.0 / 0.276
		THICKNESS	**mm/in**	0.32 / 0.013
	FIN	**MATERIAL**		ALUMINIUM (HYDROPHILIC)
		THICKNESS	**mm/in**	0.11 / 0.0043
		FACE AREA	**m^2/ft^2**	0.62 / 6.67
		ROW		2
		FIN PER INCH		20
FILTRATION	**TYPE**			WASHABLE SARANET FILTER
	QUANTITY		**pc**	1
	DIMENSION (L x W x t)		**mm/in**	367.5 x 381.0 x 20.8 / 14.5 x 15.0 x 0.8
CASING	**INDOOR UNIT**		**MATERIAL**	GALVANISED IRON
			COLOUR	GREY
	OUTDOOR UNIT		**MATERIAL**	GALVANISED MILD STEEL
			COLOUR	LIGHT GREY

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Components Data - Heatpump

MODEL	INDOOR UNIT			M5CKX 020AR	M5CKX 025AR
	OUTDOOR UNIT			M5LCX 020CR	M5LCX 025CR
INDOOR FAN	TYPE			TURBO FAN	
	QUANTITY			1	
	MATERIAL			ASG20	
	DRIVE			DIRECT	
	DIAMETER		mm/in	450 / 17.72	
	LENGTH		mm/in	169.5 / 6.67	
INDOOR FAN MOTOR	TYPE			6-POLE MOTOR	
	Q'TY			1	
	INDEX OF PROTECTION (IP)			IP22	
OUTDOOR FAN	TYPE			PROPELLER	
	QUANTITY			1	
	MATERIAL			GLASS REINFORCED ACRLY STYRENE RESIN	
	DRIVE			DIRECT	
	DIAMETER		mm/in	460 / 18	
OUTDOOR FAN MOTOR	TYPE			6-POLE MOTOR	
	QUANTITY			1	
	INDEX OF PROTECTION (IP)			IP54	
COMPRESSOR	TYPE			DC INVERTER SCROLL	DC INVERTER ROTARY
	OIL TYPE			RB68A or Freol Alpha68M	
	OIL AMOUNT		cm^3 / fl.oz	670 / 23.6	1130 / 39.8
INDOOR COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVED TUBE	
		DIAMETER	mm/in	7.0 / 0.276	
		THICKNESS	mm/in	0.28 / 0.011	
	FIN	MATERIAL		ALUMINIUM (HYDROPHILIC)	
		THICKNESS	mm/in	0.11 / 0.0043	
		FACE AREA	m^2/ft^2	0.475 / 0.005	
		ROW		1	
		FIN PER INCH		20	
OUTDOOR COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVED COPPER TUBE	
		DIAMETER	mm/in	7.0 / 0.276	
		THICKNESS	mm/in	0.32 / 0.013	
	FIN	MATERIAL		ALUMINIUM (HYDROPHILIC)	
		THICKNESS	mm/in	0.11 / 0.0043	
		FACE AREA	m^2/ft^2	0.62 / 6.67	
		ROW		2	
		FIN PER INCH		20	
FILTRATION	TYPE			WASHABLE SARANET FILTER	
	QUANTITY		pc	1	
	DIMENSION (L x W x t)		mm/in	576.0 x 556.0 x 22.0 / 22.7 x 21.9 x 0.87	
CASING	INDOOR UNIT		MATERIAL	GALVANISED IRON	
			COLOUR	GREY	
	OUTDOOR UNIT		MATERIAL	GALVANISED MILD STEEL	
			COLOUR	LIGHT GREY	

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Components Data - Heatpump

MODEL	INDOOR UNIT			M5CKX 010CR	M5CKX 015CR
	OUTDOOR UNIT			M5LCX 010CR	M5LCX 015CR
INDOOR FAN	TYPE			TURBO FAN	
	QUANTITY			1	
	MATERIAL			ASG20	
	DRIVE			DIRECT	
	DIAMETER		mm/in	330 / 13	
	LENGTH		mm/in	177.76 / 7	
INDOOR FAN MOTOR	TYPE			6 - POLE MOTOR	
	Q'TY			1	
	INDEX OF PROTECTION (IP)			-	
OUTDOOR FAN	TYPE			PROPELLER	
	QUANTITY			1	
	MATERIAL			GLASS REINFORCED ACRLY STYRENE RESIN	
	DRIVE			DIRECT	
	DIAMETER		mm/in	406 / 16	
OUTDOOR FAN MOTOR	TYPE			INDUCTION	
	QUANTITY			1	
	INDEX OF PROTECTION (IP)			IP54	
COMPRESSOR	TYPE			DC INVERTER ROTARY	
	OIL TYPE			RB68A or Freol Alpha68M	
	OIL AMOUNT		cm^3 / fl.oz	350 / 12.3	430 / 15.1
INDOOR COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVED TUBE	
		DIAMETER	mm/in	7.0 / 0.276	
		THICKNESS	mm/in	0.28 / 0.011	
	FIN	MATERIAL		ALUMINIUM (HYDROPHILIC)	
		THICKNESS	mm/in	0.11 / 0.0043	
		FACE AREA	m^2/ft^2	0.318 / 3.42	
		ROW		1	2
		FIN PER INCH		16	20
OUTDOOR COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVED COPPER TUBE	
		DIAMETER	mm/in	7.0 / 0.276	
		THICKNESS	mm/in	0.32 / 0.013	
	FIN	MATERIAL		ALUMINIUM (HYDROPHILIC)	
		THICKNESS	mm/in	0.11 / 0.0043	
		FACE AREA	m^2/ft^2	0.35 / 3.78	
		ROW		2	
		FIN PER INCH		18	
FILTRATION	TYPE			WASHABLE SARANET FILTER	
	QUANTITY		pc	1	
	DIMENSION (L x W x t)		mm/in	367.5 x 381.0 x 20.8 / 14.5 x 15.0 x 0.8	
CASING	INDOOR UNIT		MATERIAL	GALVANISED IRON	
			COLOUR	GREY	
	OUTDOOR UNIT		MATERIAL	GALVANISED MILD STEEL	
			COLOUR	LIGHT GREY	

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Components Data - Heatpump

MODEL	**INDOOR UNIT**			**M5CKX 020CR**
	OUTDOOR UNIT			**M5LCX 020CR**
INDOOR FAN	**TYPE**			TURBO FAN
	QUANTITY			1
	MATERIAL			ASG20
	DRIVE			DIRECT
	DIAMETER		**mm/in**	330 / 13
	LENGTH		**mm/in**	177.76 / 7
INDOOR FAN MOTOR	**TYPE**			6-POLE MOTOR
	Q'TY			1
	INDEX OF PROTECTION (IP)			-
OUTDOOR FAN	**TYPE**			PROPELLER
	QUANTITY			1
	MATERIAL			GLASS REINFORCED ACRLY STYRENE RESIN
	DRIVE			DIRECT
	DIAMETER		**mm/in**	460 / 18
OUTDOOR FAN MOTOR	**TYPE**			6-POLE MOTOR
	QUANTITY			1
	INDEX OF PROTECTION (IP)			IP54
COMPRESSOR	**TYPE**			DC INVERTER SCROLL
	OIL TYPE			RB68A or Freol Alpha68M
	OIL AMOUNT		**cm³ / fl.oz**	670 / 23.6
INDOOR COIL	**TUBE**	**MATERIAL**		SEAMLESS INNER GROOVED TUBE
		DIAMETER	**mm/in**	7.0 / 0.276
		THICKNESS	**mm/in**	0.28 / 0.011
	FIN	**MATERIAL**		ALUMINIUM (HYDROPHILIC)
		THICKNESS	**mm/in**	0.11 / 0.0043
		FACE AREA	**m^2/ft^2**	0.318 / 3.42
		ROW		2
		FIN PER INCH		20
OUTDOOR COIL	**TUBE**	**MATERIAL**		SEAMLESS INNER GROOVED COPPER TUBE
		DIAMETER	**mm/in**	7.0 / 0.276
		THICKNESS	**mm/in**	0.32 / 0.013
	FIN	**MATERIAL**		ALUMINIUM (HYDROPHILIC)
		THICKNESS	**mm/in**	0.11 / 0.0043
		FACE AREA	**m^2/ft^2**	0.62 / 6.67
		ROW		2
		FIN PER INCH		20
FILTRATION	**TYPE**			WASHABLE SARANET FILTER
	QUANTITY		**pc**	1
	DIMENSION (L x W x t)		**mm/in**	367.5 x 381.0 x 20.8 / 14.5 x 15.0 x 0.8
CASING	**INDOOR UNIT**		**MATERIAL**	GALVANISED IRON
			COLOUR	GREY
	OUTDOOR UNIT		**MATERIAL**	GALVANISED MILD STEEL
			COLOUR	LIGHT GREY

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Components Data - Cooling Only

MODEL	**INDOOR UNIT**				**M5CMX 015E**
	OUTDOOR UNIT				**M5LCX 015C**
INDOOR FAN	**TYPE**				CROSS FLOW
	QUANTITY				2
	MATERIAL				ABS
	DRIVE				DIRECT
	DIAMETER			**mm/in**	146 / 5.75
	LENGTH			**mm/in**	200 / 7.87
INDOOR FAN MOTOR	**TYPE**				INDUCTION
	QUANTITY				1
	INDEX OF PROTECTION (IP)				N/A
OUTDOOR FAN	**TYPE**				PROPELLER
	QUANTITY				1
	MATERIAL				GLASS REINFORCED ACRYL STYRENE RESIN
	DRIVE				DIRECT
	DIAMETER			**mm/in**	404 / 16
OUTDOOR FAN MOTOR	**TYPE**				INDUCTION
	QUANTITY				1
	INDEX OF PROTECTION (IP)				IP54
COMPRESSOR	**TYPE**				DC INVERTER SCROLL
	OIL TYPE				RB68A or Freol Alpha68M
	OIL AMOUNT			**cm^3 / fl.oz.**	430 / 15.1
INDOOR COIL	**TUBE**	**MATERIAL**			SEAMLESS INNER GROOVE COPPER
		DIAMETER		**mm/in**	7.00 / 0.276
		THICKNESS		**mm/in**	0.28 / 0.011
	FIN	**MATERIAL**			ALUMINIUM (SLIT FIN)
		THICKNESS		**mm/in**	0.11 / 0.0043
		FACE AREA		**m^2/ft^2**	0.26 / 2.90
		ROW			2
		FIN PER INCH			16
OUTDOOR COIL	**TUBE**	**MATERIAL**			SEAMLESS INNER GROOVE COPPER
		DIAMETER		**mm/in**	7.00 / 0.276
		THICKNESS		**mm/in**	0.28 / 0.011
	FIN	**MATERIAL**			ALUMINIUM (HYDROPHILIC)
		THICKNESS		**mm/in**	0.10 / 0.004
		FACE AREA		**m^2/ft^2**	0.360 / 3.940
		ROW			1
		FIN PER INCH			20
AIR QUALITY	**FILTER**	**TYPE**			WASHABLE SARANET FILTER
		QUANTITY		**pc**	2
		SIZE	**LENGTH**	**mm/in**	309.20 / 12.17
			WIDTH	**mm/in**	383.00 / 15.08
			THICKNESS	**mm/in**	2.25 / 0.09
CASING	**INDOOR UNIT**			**MATERIAL**	PS
				FINISHING	ETCHING SURFACE
				COLOUR	LIGHT GREY
	OUTDOOR UNIT			**MATERIAL**	GALVANISED MILD STEEL
				FINISHING	POLYESTER POWDER
				COLOUR	LIGHT GREY

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Components Data - Cooling Only

MODEL	**INDOOR UNIT**				**M5CMX 015E**
	OUTDOOR UNIT				**M5LCX 015C**
INDOOR FAN	**TYPE**				CROSS FLOW
	QUANTITY				2
	MATERIAL				ABS
	DRIVE				DIRECT
	DIAMETER			**mm/in**	146 / 5.75
	LENGTH			**mm/in**	200 / 7.87
INDOOR FAN MOTOR	**TYPE**				INDUCTION
	QUANTITY				1
	INDEX OF PROTECTION (IP)				N/A
OUTDOOR FAN	**TYPE**				PROPELLER
	QUANTITY				1
	MATERIAL				GLASS REINFORCED ACRYL STYRENE RESIN
	DRIVE				DIRECT
	DIAMETER			**mm/in**	404 / 16
OUTDOOR FAN MOTOR	**TYPE**				INDUCTION
	QUANTITY				1
	INDEX OF PROTECTION (IP)				IP54
COMPRESSOR	**TYPE**				DC INVERTER ROTARY
	OIL TYPE				RB68A or Freol Alpha68M
	OIL AMOUNT			**cm^3 / fl.oz.**	430 / 15.1
INDOOR COIL	**TUBE**	**MATERIAL**			SEAMLESS INNER GROOVE COPPER
		DIAMETER		**mm/in**	7.00 / 0.276
		THICKNESS		**mm/in**	0.28 / 0.011
	FIN	**MATERIAL**			ALUMINIUM (SLIT FIN)
		THICKNESS		**mm/in**	0.11 / 0.0043
		FACE AREA		**m^2/ft^2**	0.26 / 2.90
		ROW			2
		FIN PER INCH			16
OUTDOOR COIL	**TUBE**	**MATERIAL**			SEAMLESS INNER GROOVE COPPER
		DIAMETER		**mm/in**	7.00 / 0.276
		THICKNESS		**mm/in**	0.28 / 0.011
	FIN	**MATERIAL**			ALUMINIUM (HYDROPHILIC)
		THICKNESS		**mm/in**	0.10 / 0.004
		FACE AREA		**m^2/ft^2**	0.360 / 3.940
		ROW			1
		FIN PER INCH			20
AIR QUALITY	**FILTER**	**TYPE**			WASHABLE SARANET FILTER
		QUANTITY		**pc**	2
		SIZE	**LENGTH**	**mm/in**	309.20 / 12.17
			WIDTH	**mm/in**	383.00 / 15.08
			THICKNESS	**mm/in**	2.25 / 0.09
CASING	**INDOOR UNIT**			**MATERIAL**	PS
				FINISHING	ETCHING SURFACE
				COLOUR	LIGHT GREY
	OUTDOOR UNIT			**MATERIAL**	GALVANISED MILD STEEL
				FINISHING	POLYESTER POWDER
				COLOUR	LIGHT GREY

1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.

Components Data - Cooling Only

MODEL	INDOOR UNIT			M5CMX 020E	M5CMX 025E
	OUTDOOR UNIT			M5LCX 020C	M5LCX 025C
INDOOR FAN	TYPE			CROSS FLOW	
	QUANTITY			2	
	MATERIAL			ABS	
	DRIVE			DIRECT	
	DIAMETER		mm/in	146 / 5.75	
	LENGTH		mm/in	200 / 7.87	
INDOOR FAN MOTOR	TYPE			INDUCTION	
	Q'TY			1	
	INDEX OF PROTECTION (IP)			N/A	
OUTDOOR FAN	TYPE			PROPELLER	
	QUANTITY			1	
	MATERIAL			GLASS REINFORCED ACRLY STYRENE RESIN	
	DRIVE			DIRECT	
	DIAMETER		mm/in	460 / 18	
OUTDOOR FAN MOTOR	TYPE			6-POLE MOTOR	
	QUANTITY			1	
	INDEX OF PROTECTION (IP)			IP54	
COMPRESSOR	TYPE			DC INVERTER SCROLL	
	OIL TYPE			RB68A or Freol ALpha68M	
	OIL AMOUNT		cm³ / fl.oz	670 / 23.6	1130 / 39.8
INDOOR COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVE COPPER	
		DIAMETER	mm/in	7.0 / 0.276	
		THICKNESS	mm/in	0.28 / 0.011	
	FIN	MATERIAL		ALUMINIUM (SLIT FIN)	
		THICKNESS	mm/in	0.11 / 0.0043	
		FACE AREA	m^2/ft^2	0.27 / 2.90	
		ROW		3	
		FIN PER INCH		18	
OUTDOOR COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVE COPPER TUBE	
		DIAMETER	mm/in	7.0 / 0.276	
		THICKNESS	mm/in	0.32 / 0.013	
	FIN	MATERIAL		ALUMINIUM (HYDROPHILIC)	
		THICKNESS	mm/in	0.11 / 0.0043	
		FACE AREA	m^2/ft^2	0.62 / 6.67	
		ROW		2	
		FIN PER INCH		20	
FILTRATION	TYPE			WASHABLE SARANET FILTER	
	QUANTITY		pc	2	
	DIMENSION (L x W x t)		mm/in	309.2 x 383 x 2.25 / 12.17 x 15.08 x 0.09	
CASING	INDOOR UNIT		MATERIAL	PS	
			COLOUR	LIGHT GREY	
	OUTDOOR UNIT		MATERIAL	GALVANISED MILD STEEL	
			COLOUR	LIGHT GREY	

1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.

Components Data - Heatpump

MODEL	**INDOOR UNIT**				**M5CMX 015ER**
	OUTDOOR UNIT				**M5LCX 015CR**
INDOOR FAN	**TYPE**				CROSS FLOW
	QUANTITY				2
	MATERIAL				ABS
	DRIVE				DIRECT
	DIAMETER			**mm/in**	146 / 5.75
	LENGTH			**mm/in**	200 / 7.87
INDOOR FAN MOTOR	**TYPE**				INDUCTION
	QUANTITY				1
	INDEX OF PROTECTION (IP)				N/A
OUTDOOR FAN	**TYPE**				PROPELLER
	QUANTITY				1
	MATERIAL				GLASS REINFORCED ACRYL STYRENE RESIN
	DRIVE				DIRECT
	DIAMETER			**mm/in**	404 / 16
OUTDOOR FAN MOTOR	**TYPE**				INDUCTION
	QUANTITY				1
	INDEX OF PROTECTION (IP)				IP54
COMPRESSOR	**TYPE**				DC INVERTER SCROLL
	OIL TYPE				RB68A or Freol Alpha68M
	OIL AMOUNT			**cm^3 / fl.oz.**	430 / 15.1
INDOOR COIL	**TUBE**	**MATERIAL**			SEAMLESS INNER GROOVE COPPER
		DIAMETER		**mm/in**	7.00 / 0.276
		THICKNESS		**mm/in**	0.28 / 0.011
	FIN	**MATERIAL**			ALUMINIUM (SLIT FIN)
		THICKNESS		**mm/in**	0.11 / 0.0043
		FACE AREA		**m^2/ft^2**	0.26 / 2.90
		ROW			2
		FIN PER INCH			16
OUTDOOR COIL	**TUBE**	**MATERIAL**			SEAMLESS INNER GROOVE COPPER
		DIAMETER		**mm/in**	7.00 / 0.276
		THICKNESS		**mm/in**	0.28 / 0.011
	FIN	**MATERIAL**			ALUMINIUM (HYDROPHILIC)
		THICKNESS		**mm/in**	0.10 / 0.004
		FACE AREA		**m^2/ft^2**	0.360 / 3.940
		ROW			1
		FIN PER INCH			20
AIR QUALITY	**FILTER**	**TYPE**			WASHABLE SARANET FILTER
		QUANTITY		**pc**	2
		SIZE	**LENGTH**	**mm/in**	309.20 / 12.17
			WIDTH	**mm/in**	383.00 / 15.08
			THICKNESS	**mm/in**	2.25 / 0.09
CASING	**INDOOR UNIT**			**MATERIAL**	PS
				FINISHING	ETCHING SURFACE
				COLOUR	LIGHT GREY
	OUTDOOR UNIT			**MATERIAL**	GALVANISED MILD STEEL
				FINISHING	POLYESTER POWDER
				COLOUR	LIGHT GREY

1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.

Components Data - Heatpump (With Torque Control)

MODEL	**INDOOR UNIT**				**M5CMX 015ER**
	OUTDOOR UNIT				**M5LCX 015CR**
INDOOR FAN	**TYPE**				CROSS FLOW
	QUANTITY				2
	MATERIAL				ABS
	DRIVE				DIRECT
	DIAMETER			**mm/in**	146 / 5.75
	LENGTH			**mm/in**	200 / 7.87
INDOOR FAN MOTOR	**TYPE**				INDUCTION
	QUANTITY				1
	INDEX OF PROTECTION (IP)				N/A
OUTDOOR FAN	**TYPE**				PROPELLER
	QUANTITY				1
	MATERIAL				GLASS REINFORCED ACRYL STYRENE RESIN
	DRIVE				DIRECT
	DIAMETER			**mm/in**	404 / 16
OUTDOOR FAN MOTOR	**TYPE**				INDUCTION
	QUANTITY				1
	INDEX OF PROTECTION (IP)				IP54
COMPRESSOR	**TYPE**				DC INVERTER ROTARY
	OIL TYPE				RB68A or Freol Alpha68M
	OIL AMOUNT			**cm^3 / fl.oz.**	430 / 15.1
INDOOR COIL	**TUBE**	**MATERIAL**			SEAMLESS INNER GROOVE COPPER
		DIAMETER		**mm/in**	7.00 / 0.276
		THICKNESS		**mm/in**	0.28 / 0.011
	FIN	**MATERIAL**			ALUMINIUM (SLIT FIN)
		THICKNESS		**mm/in**	0.11 / 0.0043
		FACE AREA		**m^2/ft^2**	0.26 / 2.90
		ROW			2
		FIN PER INCH			16
OUTDOOR COIL	**TUBE**	**MATERIAL**			SEAMLESS INNER GROOVE COPPER
		DIAMETER		**mm/in**	7.00 / 0.276
		THICKNESS		**mm/in**	0.28 / 0.011
	FIN	**MATERIAL**			ALUMINIUM (HYDROPHILIC)
		THICKNESS		**mm/in**	0.10 / 0.004
		FACE AREA		**m^2/ft^2**	0.360 / 3.940
		ROW			1
		FIN PER INCH			20
AIR QUALITY	**FILTER**	**TYPE**			WASHABLE SARANET FILTER
		QUANTITY		**pc**	2
		SIZE	**LENGTH**	**mm/in**	309.20 / 12.17
			WIDTH	**mm/in**	383.00 / 15.08
			THICKNESS	**mm/in**	2.25 / 0.09
CASING	**INDOOR UNIT**			**MATERIAL**	PS
				FINISHING	ETCHING SURFACE
				COLOUR	LIGHT GREY
	OUTDOOR UNIT			**MATERIAL**	GALVANISED MILD STEEL
				FINISHING	POLYESTER POWDER
				COLOUR	LIGHT GREY

1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.

Components Data - Heatpump

MODEL	INDOOR UNIT			M5CMX 020ER	M5CMX 025ER
	OUTDOOR UNIT			M5LCX 020CR	M5LCX 025CR
INDOOR FAN	TYPE			CROSS FLOW	
	QUANTITY			2	
	MATERIAL			ABS	
	DRIVE			DIRECT	
	DIAMETER		mm/in	146 / 5.75	
	LENGTH		mm/in	200 / 7.87	
INDOOR FAN MOTOR	TYPE			INDUCTION	
	Q'TY			1	
	INDEX OF PROTECTION (IP)			N/A	
OUTDOOR FAN	TYPE			PROPELLER	
	QUANTITY			1	
	MATERIAL			GLASS REINFORCED ACRLY STYRENE RESIN	
	DRIVE			DIRECT	
	DIAMETER		mm/in	460 / 18	
OUTDOOR FAN MOTOR	TYPE			6-POLE MOTOR	
	QUANTITY			1	
	INDEX OF PROTECTION (IP)			IP54	
COMPRESSOR	TYPE			DC INVERTER SCROLL	
	OIL TYPE			RB68A or Freol ALpha68M	
	OIL AMOUNT		cm³ / fl.oz	670 / 23.6	1130 / 39.8
INDOOR COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVE COPPER	
		DIAMETER	mm/in	7.0 / 0.276	
		THICKNESS	mm/in	0.28 / 0.011	
	FIN	MATERIAL		ALUMINIUM (SLIT FIN)	
		THICKNESS	mm/in	0.11 / 0.0043	
		FACE AREA	m^2/ft^2	0.27 / 2.90	
		ROW		3	
		FIN PER INCH		18	
OUTDOOR COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVE COPPER TUBE	
		DIAMETER	mm/in	7.0 / 0.276	
		THICKNESS	mm/in	0.32 / 0.013	
	FIN	MATERIAL		ALUMINIUM (HYDROPHILIC)	
		THICKNESS	mm/in	0.11 / 0.0043	
		FACE AREA	m^2/ft^2	0.62 / 6.67	
		ROW		2	
		FIN PER INCH		20	
FILTRATION	TYPE			WASHABLE SARANET FILTER	
	QUANTITY		pc	2	
	DIMENSION (L x W x t)		mm/in	309.2 x 383 x 2.25 / 12.17 x 15.08 x 0.09	
CASING	INDOOR UNIT		MATERIAL	PS	
			COLOUR	LIGHT GREY	
	OUTDOOR UNIT		MATERIAL	GALVANISED MILD STEEL	
			COLOUR	LIGHT GREY	

1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.

Components Data - Cooling Only

MODEL	OUTDOOR UNIT			M5LCX010C	M5LCX015C
	INDOOR UNIT			M5CCX010C	M5CCX015C
INDOOR FAN	TYPE			BLOWER WHEEL	
	QUANTITY			1	2
	MATERIAL			GALVANISED STEEL	
	DRIVE			DIRECT	
	DIAMETER		mm/in	160 / 6.30	
	LENGTH		mm/in	202 / 7.95	
INDOOR FAN MOTOR	TYPE			4 - POLE MOTOR	
	Q'TY			1	
	INDEX OF PROTECTION (IP)			N/A	
OUTDOOR FAN	TYPE			PROPELLER	
	QUANTITY			1	
	MATERIAL			GLASS REINFORCED ACRLY STYRENE RESIN	
	DRIVE			DIRECT	
	DIAMETER		mm/in	406 / 16	
OUTDOOR FAN MOTOR	TYPE			INDUCTION	
	QUANTITY			1	
	INDEX OF PROTECTION (IP)			IP54	
COMPRESSOR	TYPE			DC INVERTER ROTARY COMPRESSOR	
	OIL TYPE			RB68A or Alpha68M	
	OIL AMOUNT		cm³ / fl.oz	350 / 12.3	430 / 15.1
INDOOR COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVED TUBE	
		DIAMETER	mm/in	7.0 / 0.276	
		THICKNESS	mm/in	0.28 / 0.011	
	FIN	MATERIAL		ALUMINIUM (SLIT FIN)	
		THICKNESS	mm/in	0.11 / 0.0043	
		FACE AREA	m^2/ft^2	0.203 / 2.187	
		ROW		3	
		FIN PER INCH		18	
OUTDOOR COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVED COPPER TUBE	
		DIAMETER	mm/in	7.0 / 0.276	
		THICKNESS	mm/in	0.32 / 0.013	
	FIN	MATERIAL		ALUMINIUM (HYDROPHILIC)	
		THICKNESS	mm/in	0.11 / 0.0043	
		FACE AREA	m^2/ft^2	0.35 / 3.78	
		ROW		2	
		FIN PER INCH		18	
FILTRATION	TYPE			WASHABLE SARANET FILTER	
	QUANTITY		pc	1	
	DIMENSION (L x W x t)		mm/in	560 x 195 x 5 / 22.05 x 7.68 x 0.20	700 x 195 x 5 / 27.56 x 7.68 x 0.20
CASING	INDOOR UNIT		MATERIAL	GALVAZINED STEEL	
			COLOUR	WITHOUT POWDER PAINT	
	OUTDOOR UNIT		MATERIAL	GALVANISED MILD STEEL	
			COLOUR	LIGHT GREY	

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Components Data - Cooling Only

MODEL	OUTDOOR UNIT			M5LCX020C	M5LCX025C
	INDOOR UNIT			M5CCX020C	M5CCX025C
INDOOR FAN	TYPE			BLOWER WHEEL	
	QUANTITY			2	
	MATERIAL			GALVANIZED STEEL	
	DRIVE			DIRECT	
	DIAMETER		mm/in	160 / 6.30	
	LENGTH		mm/in	202 / 7.95	
INDOOR FAN MOTOR	TYPE			6 - POLE	4 - POLE
	Q'TY			1	
	INDEX OF PROTECTION (IP)			N/A	
OUTDOOR FAN	TYPE			PROPELLER	
	QUANTITY			1	
	MATERIAL			GLASS REINFORCED ACRLY STYRENE RESIN	
	DRIVE			DIRECT	
	DIAMETER		mm/in	460 / 18	
OUTDOOR FAN MOTOR	TYPE			6 - POLE	
	QUANTITY			1	
	INDEX OF PROTECTION (IP)			IP54	
COMPRESSOR	TYPE			DC INVERTER SCROLL	
	OIL TYPE			RB68A or Freol Alpha68M	
	OIL AMOUNT		cm^3 / fl.oz	670 / 23.52	1130 / 39.67
INDOOR COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVED TUBE	
		DIAMETER	mm/in	7.0 / 0.276	
		THICKNESS	mm/in	0.28 / 0.011	
	FIN	MATERIAL		ALUMINIUM (SLIT FIN)	
		THICKNESS	mm/in	0.11 / 0.0043	
		FACE AREA	m^2/ft^2	0.203 / 2.187	
		ROW		3	
		FIN PER INCH		18	
OUTDOOR COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVED COPPER TUBE	
		DIAMETER	mm/in	7.0 / 0.276	
		THICKNESS	mm/in	0.32 / 0.013	
	FIN	MATERIAL		ALUMINIUM (HYDROPHILIC)	
		THICKNESS	mm/in	0.11 / 0.0043	
		FACE AREA	m^2/ft^2	0.62 / 6.67	
		ROW		2	
		FIN PER INCH		20	
FILTRATION	TYPE			WASHABLE SARANET FILTER	
	QUANTITY		pc	1	
	DIMENSION (L x W x t)		mm/in	860 x 195 x 5 / 33.86 x 7.68 x 0.20	995 x 195 x 5 / 39.17 x 7.68 x 0.20
CASING	INDOOR UNIT		MATERIAL	GALVAZINED STEEL	
			COLOUR	WITHOUT POWDER PAINT	
	OUTDOOR UNIT		MATERIAL	GALVANISED MILD STEEL	
			COLOUR	LIGHT GREY	

1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.

Components Data - Heatpump

MODEL	OUTDOOR UNIT			M5LCX010CR	M5LCX015CR
	INDOOR UNIT			M5CCX010CR	M5CCX015CR
INDOOR FAN	TYPE			BLOWER WHEEL	
	QUANTITY			1	2
	MATERIAL			GALVANISED STEEL	
	DRIVE			DIRECT	
	DIAMETER		mm/in	160 / 6.30	
	LENGTH		mm/in	202 / 7.95	
INDOOR FAN MOTOR	TYPE			4 - POLE MOTOR	
	Q'TY			1	
	INDEX OF PROTECTION (IP)			N/A	
OUTDOOR FAN	TYPE			PROPELLER	
	QUANTITY			1	
	MATERIAL			GLASS REINFORCED ACRLY STYRENE RESIN	
	DRIVE			DIRECT	
	DIAMETER		mm/in	406 / 16	
OUTDOOR FAN MOTOR	TYPE			INDUCTION	
	QUANTITY			1	
	INDEX OF PROTECTION (IP)			IP54	
COMPRESSOR	TYPE			DC INVERTER ROTARY COMPRESSOR	
	OIL TYPE			RB68A or Alpha68M	
	OIL AMOUNT		cm³ / fl.oz	350 / 12.3	430 / 15.1
INDOOR COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVED TUBE	
		DIAMETER	mm/in	7.0 / 0.276	
		THICKNESS	mm/in	0.28 / 0.011	
	FIN	MATERIAL		ALUMINIUM (SLIT FIN)	
		THICKNESS	mm/in	0.11 / 0.0043	
		FACE AREA	m^2/ft^2	0.203 / 2.187	
		ROW		3	
		FIN PER INCH		18	
OUTDOOR COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVED COPPER TUBE	
		DIAMETER	mm/in	7.0 / 0.276	
		THICKNESS	mm/in	0.32 / 0.013	
	FIN	MATERIAL		ALUMINIUM (HYDROPHILIC)	
		THICKNESS	mm/in	0.11 / 0.0043	
		FACE AREA	m^2/ft^2	0.35 / 3.78	
		ROW		2	
		FIN PER INCH		18	
FILTRATION	TYPE			WASHABLE SARANET FILTER	
	QUANTITY		pc	1	
	DIMENSION (L x W x t)		mm/in	560 x 195 x 5 / 22.05 x 7.68 x 0.20	700 x 195 x 5 / 27.56 x 7.68 x 0.20
CASING	INDOOR UNIT		MATERIAL	GALVAZINED STEEL	
			COLOUR	WITHOUT POWDER PAINT	
	OUTDOOR UNIT		MATERIAL	GALVANISED MILD STEEL	
			COLOUR	LIGHT GREY	

1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.

Components Data - Heatpump

MODEL	OUTDOOR UNIT			M5LCX020CR	M5LCX025CR
	INDOOR UNIT			M5CCX020CR	M5CCX025CR
INDOOR FAN	TYPE			BLOWER WHEEL	
	QUANTITY			2	
	MATERIAL			GALVANIZED STEEL	
	DRIVE			DIRECT	
	DIAMETER		mm/in	160 / 6.30	
	LENGTH		mm/in	202 / 7.95	
INDOOR FAN MOTOR	TYPE			6 - POLE	4 - POLE
	Q'TY			1	
	INDEX OF PROTECTION (IP)			N/A	
OUTDOOR FAN	TYPE			PROPELLER	
	QUANTITY			1	
	MATERIAL			GLASS REINFORCED ACRLY STYRENE RESIN	
	DRIVE			DIRECT	
	DIAMETER		mm/in	460 / 18	
OUTDOOR FAN MOTOR	TYPE			6 - POLE	
	QUANTITY			1	
	INDEX OF PROTECTION (IP)			IP54	
COMPRESSOR	TYPE			DC INVERTER SCROLL	
	OIL TYPE			RB68A or Freol Alpha68M	
	OIL AMOUNT		cm^3 / fl.oz	670 / 23.52	1130 / 39.67
INDOOR COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVED TUBE	
		DIAMETER	mm/in	7.0 / 0.276	
		THICKNESS	mm/in	0.28 / 0.011	
	FIN	MATERIAL		ALUMINIUM (SLIT FIN)	
		THICKNESS	mm/in	0.11 / 0.0043	
		FACE AREA	m^2/ft^2	0.203 / 2.187	
		ROW		3	
		FIN PER INCH		18	
OUTDOOR COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVED COPPER TUBE	
		DIAMETER	mm/in	7.0 / 0.276	
		THICKNESS	mm/in	0.32 / 0.013	
	FIN	MATERIAL		ALUMINIUM (HYDROPHILIC)	
		THICKNESS	mm/in	0.11 / 0.0043	
		FACE AREA	m^2/ft^2	0.62 / 6.67	
		ROW		2	
		FIN PER INCH		20	
FILTRATION	TYPE			WASHABLE SARANET FILTER	
	QUANTITY		pc	1	
	DIMENSION (L x W x t)		mm/in	860 x 195 x 5 / 33.86 x 7.68 x 0.20	995 x 195 x 5 / 39.17 x 7.68 x 0.20
CASING	INDOOR UNIT		MATERIAL	GALVAZINED STEEL	
			COLOUR	WITHOUT POWDER PAINT	
	OUTDOOR UNIT		MATERIAL	GALVANISED MILD STEEL	
			COLOUR	LIGHT GREY	

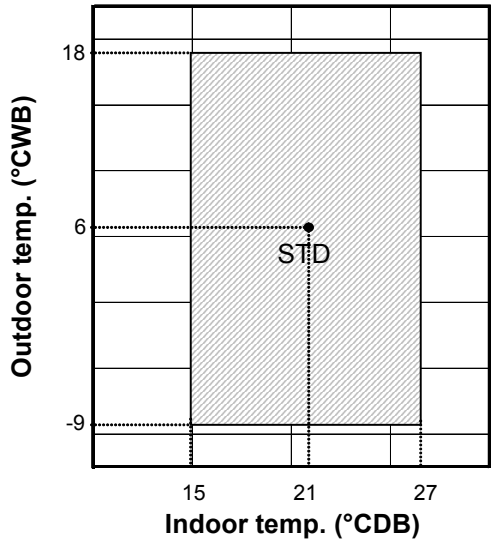
1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.

Operating Range

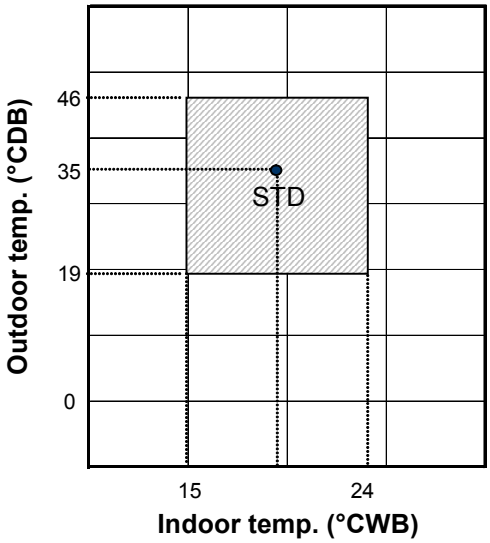
Ensure the operating temperature is in allowable range.

Heatpump

Heating



Cooling

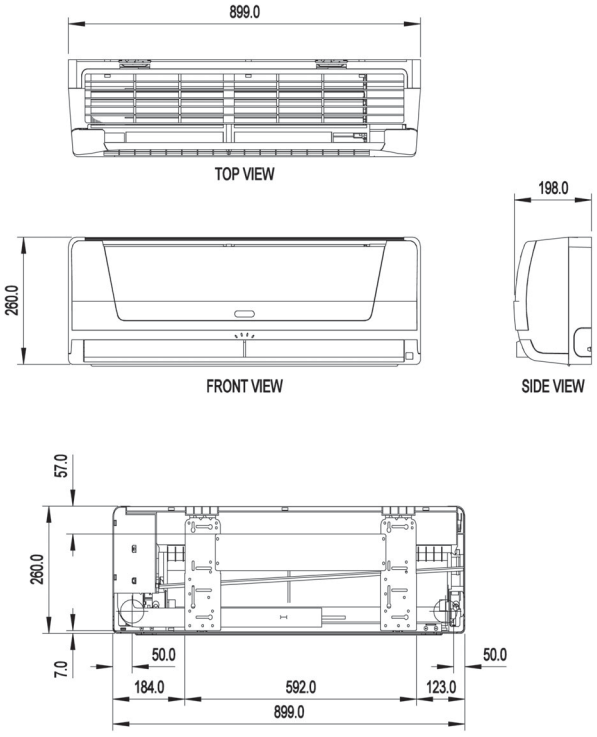


Caution :

The use of your air conditioner outside the range of working temperature and humidity can result in serious failure.

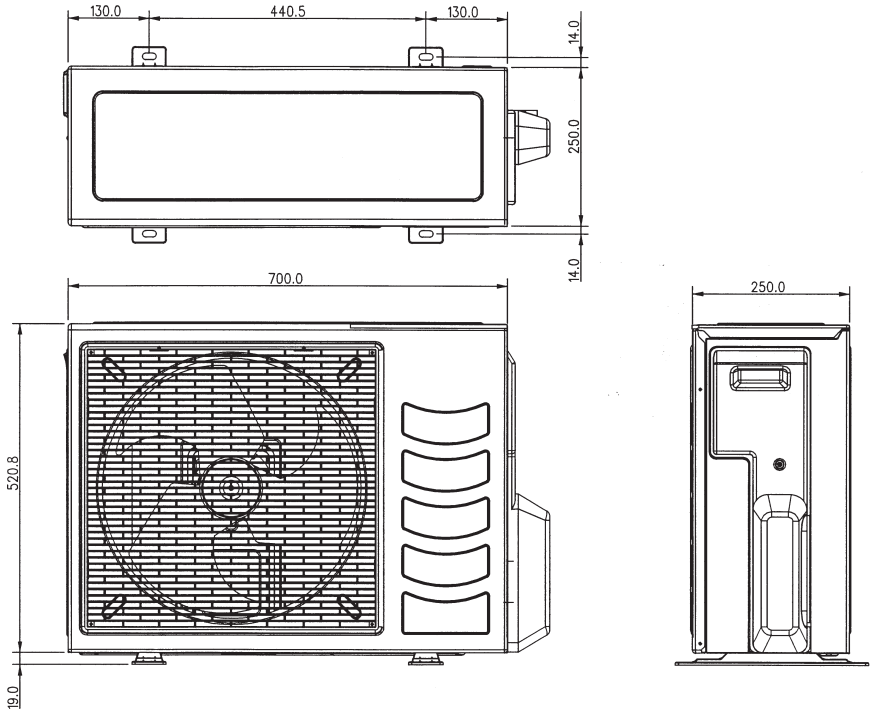
Outlines And Dimensions

Indoor Unit
MODEL : M5WMX 010 / 015 G/GR



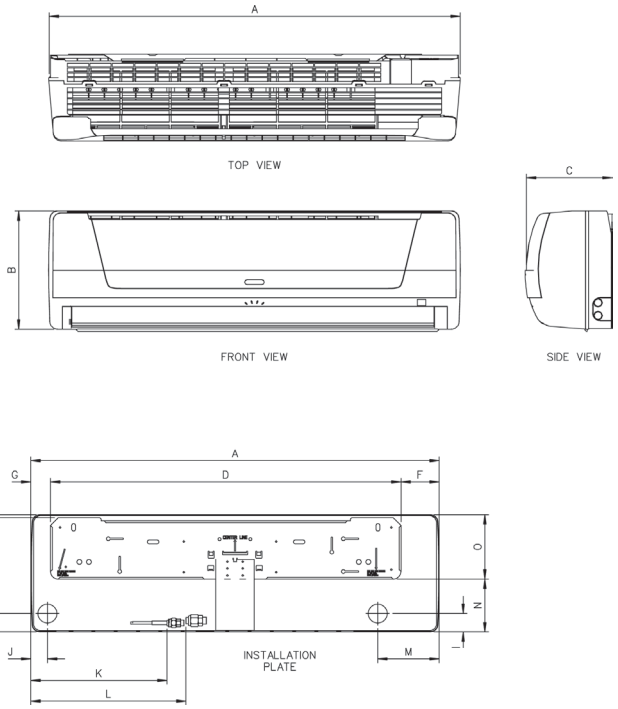
Note : Dimension in mm

Outdoor Unit
MODEL : M5LCX 010 / 015 C/CR



Note : Dimension in mm

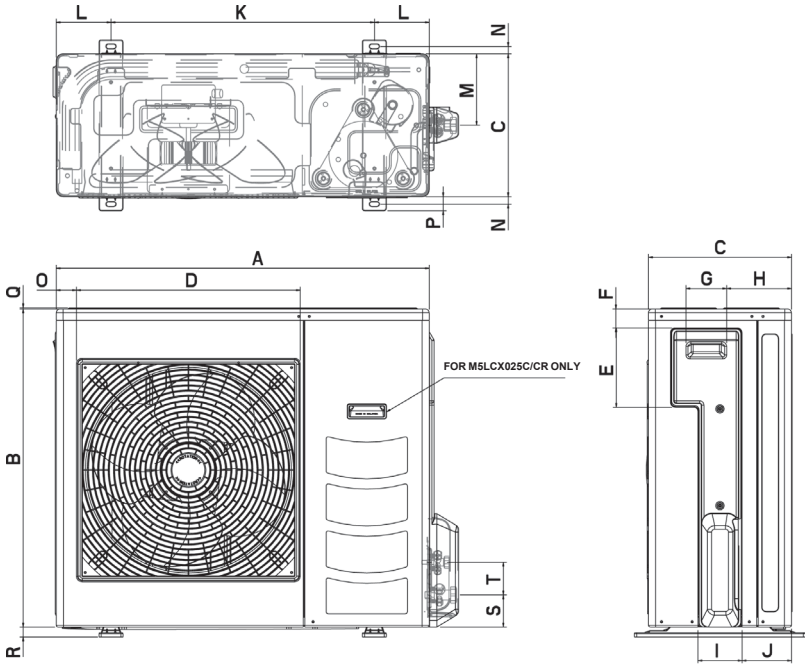
Indoor Unit
MODEL : M5WMX 020 / 025 G/GR



MODEL	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
M5WMX 020/025 G/GR	1062	304	220	912	294	99	51	8	48	43	354	403	160	138	160

Note : Dimension in mm

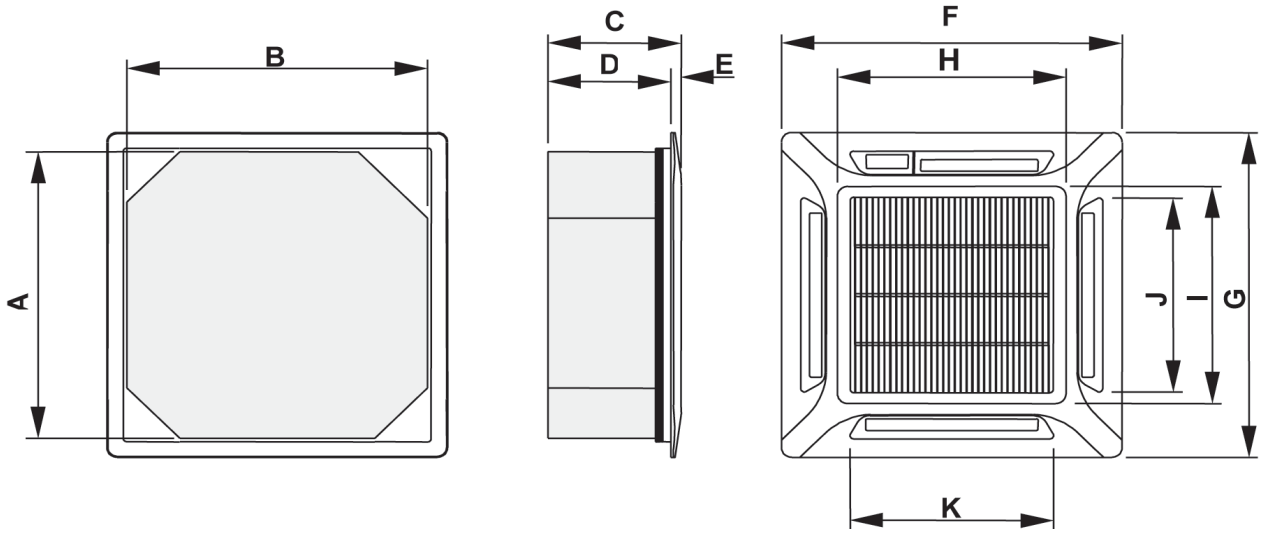
Outdoor Unit
MODEL : M5LCX 020 / 025 C/CR



MODEL	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
M5LCX 020 C/CR	855	628	328	508	181	44	93	149	101	113	603	126	164	17	49	32	3	23	73	75
M5LCX 025 C/CR	855	730	328	513	182	44	93	149	101	113	603	126	164	17	47	32	3	23	73	75

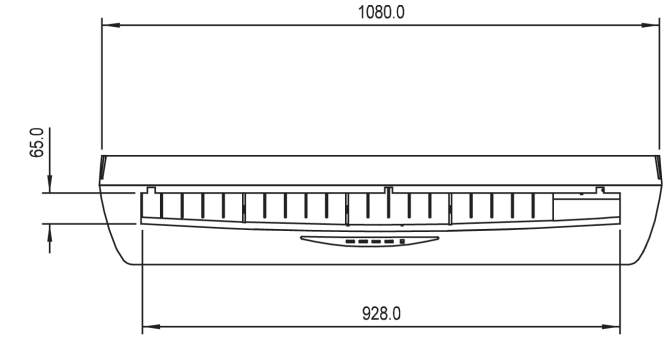
Note : Dimension in mm

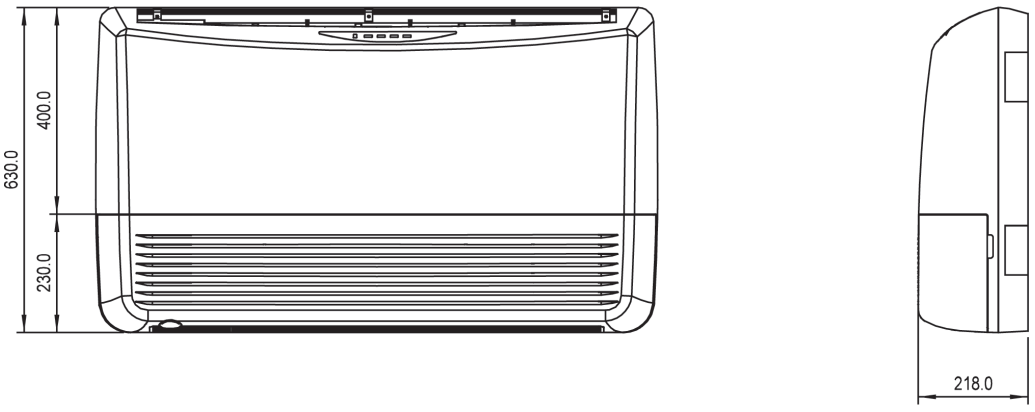
Indoor Unit
MODEL : M5CKX 020/025A/AR
M5CKX 010/015/020C/CR



MODEL	A	B	C	D	E	F	G	H	I	J	K
M5CKX-A (All model)	820 (32,3)	820 (32,3)	378 (14,9)	350 (13.7)	28 (1,1)	930 (36.6)	930 (36.6)	626 (24,6)	626 (24,6)	555 (21,8)	555 (21,8)
M5CKX-C (All model)	570 (22,4)	570 (22,4)	295 (11,6)	275 (10,8)	20 (7,8)	640 (25,1)	640 (25,1)	408 (16,0)	408 (16,0)	364 (14,3)	364 (14,3)

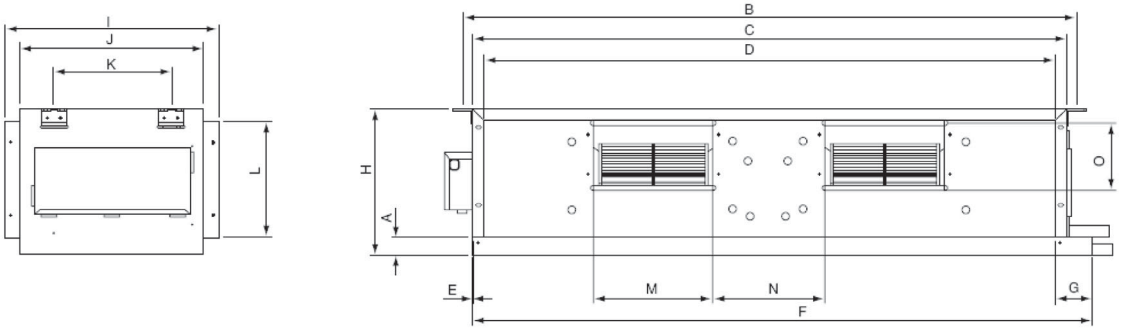
Indoor Unit
MODEL : M5CMX 015 / 020 / 025 E/ER





Indoor Unit

MODEL : M5CCX 010/015/020/025C/CR



MODEL	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
M5CCX 010C/CR	31 (1,2)	741 (29,2)	702 (27,6)	662 (26,1)	10 (0,4)	765 (30,1)	72 (2,8)	261 (10,3)	411 (16,2)	351 (13,8)	225 (8,9)	211 (8,3)	232 (9,1)	212,8 (8,4)	114 (4,5)
M5CCX 015C/CR	31 (1,2)	881 (34,7)	842 (33,1)	802 (31,6)	10 (0,4)	905 (35,6)	72 (2,8)	261 (10,3)	411 (16,2)	351 (13,8)	225 (8,9)	211 (8,3)	232 (9,1)	212,8 (8,4)	114 (4,5)
M5CCX 020C/CR	31 (1,2)	1041 (41,0)	1002 (39,4)	962 (37,9)	10 (0,4)	1065 (41,9)	72 (2,8)	261 (10,3)	411 (16,2)	351 (13,8)	225 (8,9)	211 (8,3)	232 (9,1)	212,8 (8,4)	114 (4,5)
M5CCX 025C/CR	31 (1,2)	1176 (46,3)	1137 (44,8)	1097 (43,2)	10 (0,4)	1200 (47,2)	72 (2,8)	261 (10,3)	411 (16,2)	351 (13,8)	225 (8,9)	211 (8,3)	232 (9,1)	212,8 (8,4)	114 (4,5)

Electrical Data

MODEL	INDOOR UNIT		M5WMX 010G	M5WMX 015G
	OUTDOOR UNIT		M5LCX 010C	M5LCX 015C
INDOOR MOTOR	TYPE		SCR MOTOR	
	INSULATION GRADE		E	
	POWER SOURCE	V/Ph/Hz	230 / 1 / 50	230 / 1 / 50
	RATED INPUT POWER	W	38	40
	RATED RUNNING CURRENT	A	0.19	0.20
	MOTOR OUTPUT	W	17	17
	POLES		4P	
OUTDOOR MOTOR	TYPE		PERMANENT SPLIT CAPACITOR INDUCTION	
	INSULATION GRADE		B	
	POWER SOURCE	V/Ph/Hz	230 / 1 / 50	230 / 1 / 50
	RATED INPUT POWER	W	56	71
	RATED RUNNING CURRENT	A	0.24	0.31
	MOTOR OUTPUT	W	25	35
COMPRESSOR	INSULATION GRADE		E	
	POWER SOURCE	V/Ph/Hz	0-300/ 3/ 0-100	
	CAPACITOR	mF	-	
	RATED INPUT POWER	W	686	984
	RATED RUNNING CURRENT	A	3.4	5.4
	LOCKED ROTOR AMP.	A	40	

1) ALL SPECIFICATION ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.

With Torque Control

MODEL	INDOOR UNIT		M5WMX 010G	M5WMX 015G
	OUTDOOR UNIT		M5LCX 010C	M5LCX 015C
INDOOR MOTOR	TYPE		SCR MOTOR	
	INSULATION GRADE		E	
	POWER SOURCE	V/Ph/Hz	230 / 1 / 50	230 / 1 / 50
	RATED INPUT POWER	W	38	40
	RATED RUNNING CURRENT	A	0.19	0.20
	MOTOR OUTPUT	W	17	17
	POLES		4P	
OUTDOOR MOTOR	TYPE		PERMANENT SPLIT CAPACITOR INDUCTION	
	INSULATION GRADE		B	
	POWER SOURCE	V/Ph/Hz	230 / 1 / 50	230 / 1 / 50
	RATED INPUT POWER	W	56	71
	RATED RUNNING CURRENT	A	0.24	0.31
	MOTOR OUTPUT	W	25	35
COMPRESSOR	INSULATION GRADE		E	
	POWER SOURCE	V/Ph/Hz	0-300/ 3/ 0-100	
	CAPACITOR	mF	-	
	RATED INPUT POWER	W	726	989
	RATED RUNNING CURRENT	A	3.5	4.8
	LOCKED ROTOR AMP.	A	40	

1) ALL SPECIFICATION ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.

MODEL	INDOOR UNIT		M5WMX 020G	M5WMX 025G
	OUTDOOR UNIT		M5LCX 020C	M5LCX 025C
INDOOR MOTOR	TYPE		SCR MOTOR	
	INSULATION GRADE		E	
	POWER SOURCE	V/Ph/Hz	230 / 1 / 50	
	RATED INPUT POWER	W	60	75
	RATED RUNNING CURRENT	A	0.31	0.40
	MOTOR OUTPUT	W	40	40
	POLES		4	
OUTDOOR MOTOR	TYPE		PERMANENT SPLIT CAPACITOR INDUCTION MOTOR	
	INSULATION GRADE		E	
	POWER SOURCE	V/Ph/Hz	230 / 1 / 50	230 / 1 / 50
	RATED INPUT POWER	W	130	140
	RATED RUNNING CURRENT	A	0.58	0.58
	MOTOR OUTPUT	W	75	80
COMPRESSOR	INSULATION GRADE		E	
	POWER SOURCE	V/Ph/Hz	0-300/ 3/ 0-100	
	CAPACITOR	mF	-	
	RATED INPUT POWER	W	1440	1775
	RATED RUNNING CURRENT	A	7.0	9.5
	LOCKED ROTOR AMP.	A	30	

1) ALL SPECIFICATION ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.

MODEL	INDOOR UNIT		M5WMX 010GR	M5WMX 015GR
	OUTDOOR UNIT		M5LCX 010CR	M5LCX 015CR
INDOOR MOTOR	TYPE		SCR MOTOR	
	INSULATION GRADE		E	
	POWER SOURCE	V/Ph/Hz	230 / 1 / 50	230 / 1 / 50
	RATED INPUT POWER	W	38	40
	RATED RUNNING CURRENT	A	0.19	0.20
	MOTOR OUTPUT	W	17	17
	POLES		4P	
OUTDOOR MOTOR	TYPE		PERMANENT SPLIT CAPACITOR INDUCTION	
	INSULATION GRADE		B	
	POWER SOURCE	V/Ph/Hz	230 / 1 / 50	230 / 1 / 50
	RATED INPUT POWER	W	56	71
	RATED RUNNING CURRENT	A	0.24	0.31
	MOTOR OUTPUT	W	25	35
COMPRESSOR	INSULATION GRADE		E	
	POWER SOURCE	V/Ph/Hz	0-300/ 3/ 0-100	
	CAPACITOR	mF	-	
	RATED INPUT POWER (COOLING)	W	686	984
	RATED INPUT POWER (HEATING)	A	886	1159
	RATED RUNNING CURRENT (COOLING)	A	3.4	5.4
	RATED RUNNING CURRENT (HEATING)	A	4.4	4.9
	LOCKED ROTOR AMP.	A	40	

1) ALL SPECIFICATION ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.

With Torque Control

MODEL	INDOOR UNIT		M5WMX 010GR	M5WMX 015GR
	OUTDOOR UNIT		M5LCX 010CR	M5LCX 015CR
INDOOR MOTOR	TYPE		SCR MOTOR	
	INSULATION GRADE		E	
	POWER SOURCE	V/Ph/Hz	230 / 1 / 50	230 / 1 / 50
	RATED INPUT POWER	W	38	40
	RATED RUNNING CURRENT	A	0.19	0.20
	MOTOR OUTPUT	W	17	17
	POLES		4P	
OUTDOOR MOTOR	TYPE		PERMANENT SPLIT CAPACITOR INDUCTION	
	INSULATION GRADE		B	
	POWER SOURCE	V/Ph/Hz	230 / 1 / 50	230 / 1 / 50
	RATED INPUT POWER	W	56	71
	RATED RUNNING CURRENT	A	0.24	0.31
	MOTOR OUTPUT	W	25	35
COMPRESSOR	TYPE		DC ROTARY	
	INSULATION GRADE		E	
	POWER SOURCE	V/Ph/Hz	0-300/ 3/ 0-100	
	CAPACITOR	mF	-	
	RATED INPUT POWER (COOLING)	W	726	989
	RATED INPUT POWER (HEATING)	A	836	929
	RATED RUNNING CURRENT (COOLING)	A	3.5	4.8
	RATED RUNNING CURRENT (HEATING)	A	4.1	4.5
	LOCKED ROTOR AMP.	A	40	

1) ALL SPECIFICATION ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.

MODEL	INDOOR UNIT		M5WMX 020GR	M5WMX 025GR
	OUTDOOR UNIT		M5LCX 020CR	M5LCX 025CR
INDOOR MOTOR	TYPE		SCR MOTOR	
	INSULATION GRADE		E	
	POWER SOURCE	V/Ph/Hz	230 / 1 / 50	
	RATED INPUT POWER	W	60	75
	RATED RUNNING CURRENT	A	0.31	0.40
	MOTOR OUTPUT	W	40	40
	POLES		4	
OUTDOOR MOTOR	TYPE		PERMANENT SPLIT CAPACITOR INDUCTION MOTOR	
	INSULATION GRADE		E	
	POWER SOURCE	V/Ph/Hz	230 / 1 / 50	230 / 1 / 50
	RATED INPUT POWER	W	130	140
	RATED RUNNING CURRENT	A	0.58	0.58
	MOTOR OUTPUT	W	75	80
COMPRESSOR	INSULATION GRADE		E	
	POWER SOURCE	V/Ph/Hz	0-300/ 3/ 0-100	
	CAPACITOR	mF	-	
	RATED INPUT POWER (COOLING)	W	1440	1775
	RATED INPUT POWER (HEATING)	A	1430	1785
	RATED RUNNING CURRENT (COOLING)	A	7.0	9.5
	RATED RUNNING CURRENT (HEATING)	A	6.9	10.0
	LOCKED ROTOR AMP.	A	30	

1) ALL SPECIFICATION ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.

MODEL	INDOOR UNIT		M5CKX 020A	M5CKX 025A
	OUTDOOR UNIT		M5LCX 020C	M5LCX 025C
INDOOR MOTOR	INSULATION GRADE		E	
	POWER SOURCE	V/Ph/Hz	230 / 1 / 50	
	RATED INPUT POWER	W	122	138
	RATED RUNNING CURRENT	A	0.53	0.61
	MOTOR OUTPUT	W	35	45
	POLES		6	6
OUTDOOR MOTOR	INSULATION GRADE		B	
	POWER SOURCE	V/Ph/Hz	230 / 1 / 50	
	RATED INPUT POWER	W	130	170
	RATED RUNNING CURRENT	A	0.58	0.75
	MOTOR OUTPUT	W	75	80
COMPRESSOR	INSULATION GRADE		E	
	POWER SOURCE	V/Ph/Hz	0-300/ 3/ 0-100	
	CAPACITOR	mF	50	50
	RATED INPUT POWER	W	1,442	1,746
	RATED RUNNING CURRENT	A	6.35	7.65
	LOCKED ROTOR AMP.	A	27	32

1) ALL SPECIFICATION ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.

With Torque Control

MODEL	INDOOR UNIT		M5CKX 010C	M5CKX 015C
	OUTDOOR UNIT		M5LCX 010C	M5LCX 015C
INDOOR MOTOR	INSULATION GRADE		E	
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	
	RATED INPUT POWER	W	54	60
	RATED RUNNING CURRENT	A	0.23	0.27
	MOTOR OUTPUT	W	16	18
	POLES		6P	
OUTDOOR MOTOR	INSULATION GRADE		B	
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	
	RATED INPUT POWER	W	56	71
	RATED RUNNING CURRENT	A	0.24	0.31
	MOTOR OUTPUT	W	25	35
COMPRESSOR	INSULATION GRADE		E	
	POWER SOURCE	V/Ph/Hz	0-300/ 3/ 0-100	
	CAPACITOR	mF	50	
	RATED INPUT POWER	W	723	985
	RATED RUNNING CURRENT	A	3.5	4.79
	LOCKED ROTOR AMP.	A	19	24

1) ALL SPECIFICATION ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.

MODEL	INDOOR UNIT		M5CKX 020C
	OUTDOOR UNIT		M5LCX 020C
INDOOR MOTOR	INSULATION GRADE		E
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1/ 50
	RATED INPUT POWER	W	68
	RATED RUNNING CURRENT	A	0.3
	MOTOR OUTPUT	W	22
	POLES		6P
OUTDOOR MOTOR	INSULATION GRADE		B
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1/ 50
	RATED INPUT POWER	W	130
	RATED RUNNING CURRENT	A	0.58
	MOTOR OUTPUT	W	75
COMPRESSOR	INSULATION GRADE		E
	POWER SOURCE	V/Ph/Hz	0-300/ 3/ 0-100
	CAPACITOR	mF	50
	RATED INPUT POWER	W	1,442
	RATED RUNNING CURRENT	A	6.35
	LOCKED ROTOR AMP.	A	27

1) ALL SPECIFICATION ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.

MODEL	INDOOR UNIT		M5CKX 020AR	M5CKX 025AR
	OUTDOOR UNIT		M5LCX 020CR	M5LCX 025CR
INDOOR MOTOR	INSULATION GRADE		E	
	POWER SOURCE	V/Ph/Hz	230 / 1 / 50	
	RATED INPUT POWER	W	122	138
	RATED RUNNING CURRENT	A	0.53	0.61
	MOTOR OUTPUT	W	35	45
	POLES		6	6
OUTDOOR MOTOR	INSULATION GRADE		B	
	POWER SOURCE	V/Ph/Hz	230 / 1 / 50	
	RATED INPUT POWER	W	130	170
	RATED RUNNING CURRENT	A	0.58	0.75
	MOTOR OUTPUT	W	75	80
COMPRESSOR	INSULATION GRADE		E	
	POWER SOURCE	V/Ph/Hz	0-300/ 3/ 0-100	
	CAPACITOR	mF	50	50
	RATED INPUT POWER (COOLING)	W	1,442	1,746
	RATED INPUT POWER (HEATING)	A	1,441	1,768
	RATED RUNNING CURRENT (COOLING)	A	6.35	7.65
	RATED RUNNING CURRENT (HEATING)	A	6.34	7.78
	LOCKED ROTOR AMP.	A	27	32

1) ALL SPECIFICATION ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.

With Torque Control

MODEL	INDOOR UNIT		M5CKX 010CR	M5CKX 015CR
	OUTDOOR UNIT		M5LCX 010CR	M5LCX 015CR
INDOOR MOTOR	INSULATION GRADE		E	
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	
	RATED INPUT POWER	W	54	60
	RATED RUNNING CURRENT	A	0.23	0.27
	MOTOR OUTPUT	W	16	18
	POLES		6P	
OUTDOOR MOTOR	INSULATION GRADE		B	
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	
	RATED INPUT POWER	W	56	71
	RATED RUNNING CURRENT	A	0.24	0.31
	MOTOR OUTPUT	W	25	35
COMPRESSOR	INSULATION GRADE		E	
	POWER SOURCE	V/Ph/Hz	0-300/ 3/ 0-100	
	CAPACITOR	mF	50	
	RATED INPUT POWER (COOLING)	W	723	985
	RATED INPUT POWER (HEATING)	A	833	942
	RATED RUNNING CURRENT (COOLING)	A	3.5	4.79
	RATED RUNNING CURRENT (HEATING)	A	4.1	4.49
	LOCKED ROTOR AMP.	A	19	24

1) ALL SPECIFICATION ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.

MODEL	INDOOR UNIT		M5CKX 020CR
	OUTDOOR UNIT		M5LCX 020CR
INDOOR MOTOR	INSULATION GRADE		E
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50
	RATED INPUT POWER	W	68
	RATED RUNNING CURRENT	A	0.3
	MOTOR OUTPUT	W	22
	POLES		6P
OUTDOOR MOTOR	INSULATION GRADE		B
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50
	RATED INPUT POWER	W	130
	RATED RUNNING CURRENT	A	0.58
	MOTOR OUTPUT	W	75
COMPRESSOR	INSULATION GRADE		E
	POWER SOURCE	V/Ph/Hz	0-300/ 3/ 0-100
	CAPACITOR	mF	50
	RATED INPUT POWER (COOLING)	W	1,442
	RATED INPUT POWER (HEATING)	A	1,441
	RATED RUNNING CURRENT (COOLING)	A	6.35
	RATED RUNNING CURRENT (HEATING)	A	6.34
	LOCKED ROTOR AMP.	A	27

1) ALL SPECIFICATION ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.

MODEL	INDOOR UNIT		M5CMX 015E
	OUTDOOR UNIT		M5LCX 015C
INDOOR MOTOR	INSULATION GRADE		CLASS B
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50
	RATED INPUT POWER	W	79
	RATED RUNNING CURRENT	A	0.34
	MOTOR OUTPUT	W	26
	POLES		4
OUTDOOR MOTOR	INSULATION GRADE		CLASS B
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50
	RATED INPUT POWER	W	71
	RATED RUNNING CURRENT	A	0.31
	MOTOR OUTPUT	W	35
	POLES		6
COMPRESSOR	INSULATION GRADE		CLASS E
	POWER SOURCE	V/Ph/Hz	0-300/ 3/ 0-100
	CAPACITOR	mF	-
	RATED INPUT POWER	W	1130
	RATED RUNNING CURRENT	A	4.9
	LOCKED ROTOR AMP.	A	24

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With Torque Control

MODEL	INDOOR UNIT		M5CMX 015E
	OUTDOOR UNIT		M5LCX 015C
INDOOR MOTOR	INSULATION GRADE		CLASS B
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50
	RATED INPUT POWER	W	79
	RATED RUNNING CURRENT	A	0.34
	MOTOR OUTPUT	W	26
	POLES		4
OUTDOOR MOTOR	INSULATION GRADE		CLASS B
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50
	RATED INPUT POWER	W	71
	RATED RUNNING CURRENT	A	0.31
	MOTOR OUTPUT	W	35
	POLES		6
COMPRESSOR	INSULATION GRADE		CLASS E
	POWER SOURCE	V/Ph/Hz	0-300/ 3/ 0-100
	CAPACITOR	mF	-
	RATED INPUT POWER	W	1130
	RATED RUNNING CURRENT	A	4.8
	LOCKED ROTOR AMP.	A	24

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MODEL	INDOOR UNIT		M5LCX 020C	M5LCX 025C
	OUTDOOR UNIT		M5CMX 020E	M5CMX 025E
INDOOR MOTOR	INSULATION GRADE		E	
	POWER SOURCE	V/Ph/Hz	230 / 1 / 50	
	RATED INPUT POWER	W	101	109
	RATED RUNNING CURRENT	A	0.46	0.49
	MOTOR OUTPUT	W	50	65
	POLES		4P	4P
OUTDOOR MOTOR	INSULATION GRADE		B	
	POWER SOURCE	V/Ph/Hz	230 / 1 / 50	
	RATED INPUT POWER	W	130	170
	RATED RUNNING CURRENT	A	0.58	0.75
	MOTOR OUTPUT	W	75	80
COMPRESSOR	INSULATION GRADE		E	
	POWER SOURCE	V/Ph/Hz	0-300/ 3/ 0-100	
	CAPACITOR	mF	-	50
	RATED INPUT POWER	W	1442	1746
	RATED RUNNING CURRENT	A	6.4	7.7
	LOCKED ROTOR AMP.	A		

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MODEL	INDOOR UNIT		M5CMX 015ER
	OUTDOOR UNIT		M5LCX 015CR
INDOOR MOTOR	INSULATION GRADE		CLASS B
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50
	RATED INPUT POWER	W	79
	RATED RUNNING CURRENT	A	0.34
	MOTOR OUTPUT	W	50
	POLES		4
OUTDOOR MOTOR	INSULATION GRADE		CLASS B
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50
	RATED INPUT POWER	W	71
	RATED RUNNING CURRENT	A	0.31
	MOTOR OUTPUT	W	35
	POLES		6
COMPRESSOR	INSULATION GRADE		CLASS E
	POWER SOURCE	V/Ph/Hz	0-300/ 3/ 0-100
	CAPACITOR	mF	-
	RATED INPUT POWER (COOLING)	W	1130
	RATED INPUT POWER (HEATING)	A	1000
	RATED RUNNING CURRENT (COOLING)	A	4.9
	RATED RUNNING CURRENT (HEATING)	A	5.8
	LOCKED ROTOR AMP.	A	24

1) ALL SPECIFICATION ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.

With Torque Control

MODEL	INDOOR UNIT		M5CMX 015ER
	OUTDOOR UNIT		M5LCX 015CR
INDOOR MOTOR	INSULATION GRADE		CLASS B
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50
	RATED INPUT POWER	W	79
	RATED RUNNING CURRENT	A	0.34
	MOTOR OUTPUT	W	50
	POLES		4
OUTDOOR MOTOR	INSULATION GRADE		CLASS B
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50
	RATED INPUT POWER	W	71
	RATED RUNNING CURRENT	A	0.31
	MOTOR OUTPUT	W	35
	POLES		6
COMPRESSOR	INSULATION GRADE		CLASS E
	POWER SOURCE	V/Ph/Hz	0-300/ 3/ 0-100
	CAPACITOR	mF	-
	RATED INPUT POWER (COOLING)	W	1130
	RATED INPUT POWER (HEATING)	A	1000
	RATED RUNNING CURRENT (COOLING)	A	4.8
	RATED RUNNING CURRENT (HEATING)	A	4.5
	LOCKED ROTOR AMP.	A	24

1) ALL SPECIFICATION ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.

MODEL	INDOOR UNIT		M5LCX 020CR	M5LCX 025CR
	OUTDOOR UNIT		M5CMX 020ER	M5CMX 025ER
INDOOR MOTOR	INSULATION GRADE		E	
	POWER SOURCE	V/Ph/Hz	230 / 1 / 50	
	RATED INPUT POWER	W	101	109
	RATED RUNNING CURRENT	A	0.46	0.49
	MOTOR OUTPUT	W	50	65
	POLES		4P	4P
OUTDOOR MOTOR	INSULATION GRADE		B	
	POWER SOURCE	V/Ph/Hz	230 / 1 / 50	
	RATED INPUT POWER	W	130	170
	RATED RUNNING CURRENT	A	0.58	0.75
	MOTOR OUTPUT	W	75	80
COMPRESSOR	INSULATION GRADE		E	
	POWER SOURCE	V/Ph/Hz	0-300/ 3/ 0-100	
	CAPACITOR	mF	-	50
	RATED INPUT POWER (COOLING)	W	1442	1746
	RATED INPUT POWER (HEATING)	A	1441	1768
	RATED RUNNING CURRENT (COOLING)	A	6.35	7.7
	RATED RUNNING CURRENT (HEATING)	A	6.34	7.8
	LOCKED ROTOR AMP.	A	30	

1) ALL SPECIFICATION ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.

MODEL	INDOOR UNIT		M5CCX 010C	M5CCX 015C
	OUTDOOR UNIT		M5LCX 010C	M5LCX 015C
INDOOR MOTOR	INSULATION GRADE		E	
	POWER SOURCE	V/Ph/Hz	220-240 / 1 / 50	
	RATED INPUT POWER	W	65	96
	RATED RUNNING CURRENT	A	0.29	0.42
	MOTOR OUTPUT	W	30	50
	POLES		4P	4P
OUTDOOR MOTOR	INSULATION GRADE		B	
	POWER SOURCE	V/Ph/Hz	220-240 / 1 / 50	
	RATED INPUT POWER	W	56	71
	RATED RUNNING CURRENT	A	0.24	0.31
	MOTOR OUTPUT	W	25	35
COMPRESSOR	INSULATION GRADE		E	
	POWER SOURCE	V/Ph/Hz	0-300/ 3/ 0-100	
	CAPACITOR	mF	-	
	RATED INPUT POWER	W	683	980
	RATED RUNNING CURRENT	A	3.37	4.89
	LOCKED ROTOR AMP.	A	19	24

1) ALL SPECIFICATION ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.

MODEL	INDOOR UNIT		M5CCX 020C	M5CCX 025C
	OUTDOOR UNIT		M5LCX 020C	M5LCX 025C
INDOOR MOTOR	INSULATION GRADE		E	
	POWER SOURCE	V/Ph/Hz	220-240 / 1 / 50	
	RATED INPUT POWER	W	135	152
	RATED RUNNING CURRENT	A	0.60	0.67
	MOTOR OUTPUT	W	80	100
	POLES		4P	4P
OUTDOOR MOTOR	INSULATION GRADE		B	
	POWER SOURCE	V/Ph/Hz	220-240 / 1 / 50	
	RATED INPUT POWER	W	130	140
	RATED RUNNING CURRENT	A	0.58	0.58
	MOTOR OUTPUT	W	75	80
COMPRESSOR	INSULATION GRADE		E	
	POWER SOURCE	V/Ph/Hz	0-300/ 3/ 0-100	
	CAPACITOR	mF	-	
	RATED INPUT POWER	W	1,415	1,746
	RATED RUNNING CURRENT	A	6.35	7.65
	LOCKED ROTOR AMP.	A	27	63

1) ALL SPECIFICATION ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.

MODEL	INDOOR UNIT		M5CCX 010CR	M5CCX 015CR
	OUTDOOR UNIT		M5LCX 010CR	M5LCX 015CR
INDOOR MOTOR	INSULATION GRADE		E	
	POWER SOURCE	V/Ph/Hz	220-240 / 1 / 50	
	RATED INPUT POWER	W	65	96
	RATED RUNNING CURRENT	A	0.29	0.42
	MOTOR OUTPUT	W	30	50
	POLES		4P	4P
OUTDOOR MOTOR	INSULATION GRADE		B	
	POWER SOURCE	V/Ph/Hz	220-240 / 1 / 50	
	RATED INPUT POWER	W	56	71
	RATED RUNNING CURRENT	A	0.24	0.31
	MOTOR OUTPUT	W	25	35
COMPRESSOR	INSULATION GRADE		E	
	POWER SOURCE	V/Ph/Hz	0-300/ 3/ 0-100	
	CAPACITOR	mF	-	
	RATED INPUT POWER (COOLING)	W	683	980
	RATED INPUT POWER (HEATING)	A	883	1,155
	RATED RUNNING CURRENT (COOLING)	A	3.37	4.89
	RATED RUNNING CURRENT (HEATING)	A	4.37	5.79
	LOCKED ROTOR AMP.	A	19	24

1) ALL SPECIFICATION ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.

MODEL	INDOOR UNIT		M5CCX 020CR	M5CCX 025CR
	OUTDOOR UNIT		M5LCX 020CR	M5LCX 025CR
INDOOR MOTOR	INSULATION GRADE		E	
	POWER SOURCE	V/Ph/Hz	220-240 / 1 / 50	
	RATED INPUT POWER	W	135	152
	RATED RUNNING CURRENT	A	0.60	0.67
	MOTOR OUTPUT	W	80	100
	POLES		4P	4P
OUTDOOR MOTOR	INSULATION GRADE		B	
	POWER SOURCE	V/Ph/Hz	220-240 / 1 / 50	
	RATED INPUT POWER	W	130	140
	RATED RUNNING CURRENT	A	0.58	0.58
	MOTOR OUTPUT	W	75	80
COMPRESSOR	INSULATION GRADE		E	
	POWER SOURCE	V/Ph/Hz	0-300/ 3/ 0-100	
	CAPACITOR	mF	-	
	RATED INPUT POWER (COOLING)	W	1,415	1,746
	RATED INPUT POWER (HEATING)	A	1,414	1,768
	RATED RUNNING CURRENT (COOLING)	A	6.35	7.65
	RATED RUNNING CURRENT (HEATING)	A	6.34	7.78
	LOCKED ROTOR AMP.	A	27	63

1) ALL SPECIFICATION ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.

Controller

G11 Remote Controller

Temperature Setting

- To set the desired room temperature, press the button to increase or decrease the set temperature.
- The temperature setting range is from 16°C to 30°C
- Press both buttons simultaneously to toggle the temperature setting between °C and °F

Turbo Mode

- Press the TURBO button to achieve the required set temperature in a short time.

Sleep Mode

- Press the button to activate sleep mode. This function is available under COOL, HEAT & AUTO mode.
- When it is activated in COOL mode, the set temperature will be increased 0.5°C after 30mins, 1°C after 1 hour and 2°C after 2 hours.
- When it is activated in HEAT mode, the set temperature will be decreased 1°C after 30mins, 2°C after 1 hour and 3°C after 2 hours.

ON Timer Setting

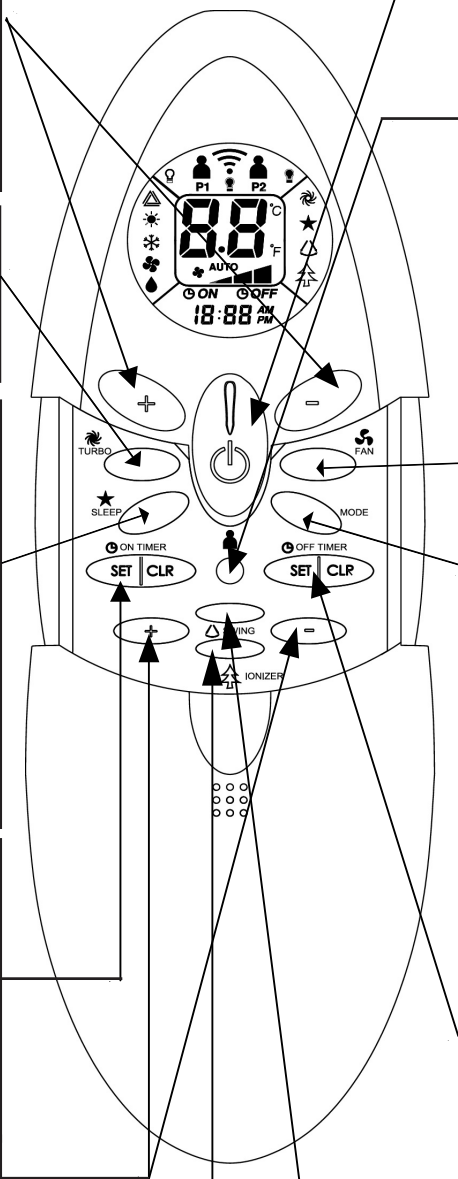
- Press the SET button will activate the on timer function.
- Set the desired on time by pressing the SET button continuously.
- Press the CLR button to cancel the off timer setting

Clock Time Setting

- Press button + or - to increase or decrease the clock time.

Ionizer

- Press the button to activate the negative Ion function, which will refresh the indoor air effectively.



On/Off Button

- Press Once to start the air conditioner
- Press again to stop the unit

Personalised Setting

- Press and hold the button for 3s to initiate personalized setting.
- Set the individual setting e.g. MODE, SET TEMP or FAN SPEED and leave for 4s to save
- 2 groups of settings are allowed to stored in the handset

Fan Speed Selection

- Press the button until the desired fan speed is achieved.

Operating Mode

- Press the MODE button to select the type of operating mode.
- For Cooling only unit, the available modes are: COOL, DRY & FAN.
- For Heatpump unit, the available modes are: AUTO, COOL, DRY, FAN & HEAT.

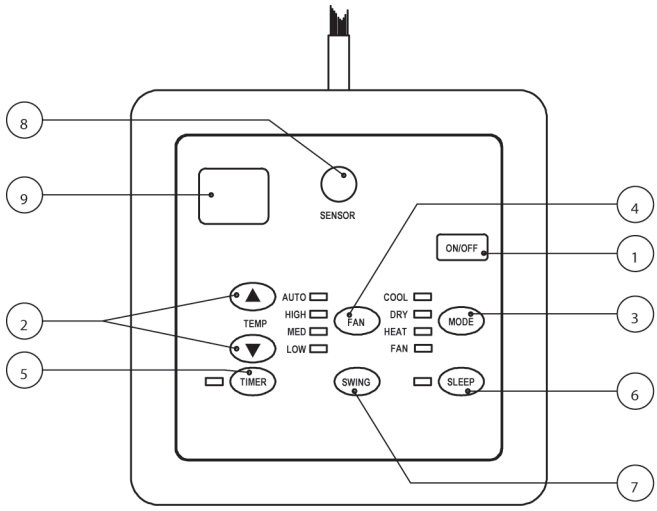
OFF Timer Setting

- Press the SET button will activate the off timer function.
- Set the desired off time by pressing the SET button continuously.
- Press the CLR button to cancel the off timer setting

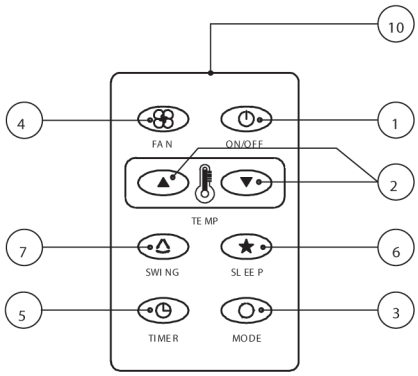
Automatic Air Awing

- Press the SWING button to activate the automatic air swing function.
- To distribute the air to a specific direction, press the SWING button and wait until the louver move to the desired direction and press the button once again.

SLM Controller Operating Instructions



SLM



AC-5300 (OPTIONAL)

1. "ON/OFF" switch
- Press to start the air conditioner unit.
- Press again to stop the unit.

2. Temperature setting
- Set the desired room temperature.
- Press button to increase or decrease the set temperature. Setting range are between 16°C to 30°C (60°F to 80°F).

3. Operation Modes
- Press the "mode" button for select the type of operating mode.

  - Cooling Only :
    COOL, DRY, FAN
  - Heat Pump :
    AUTO, COOL, DRY, HEAT, FAN
    (AUTO mode is represented by bothCOOL and HEAT LED light on)

4. Fan Speed selection
- Press the button until the desired fan speed is achieved.

5. Timer
- Press the set button to select the switch timer of the air conditioner unit (the setting range is between 1 to 10 hours).

6. "Sleep" mode
- Press button to activate the sleep function can only be activated under "cool" or heating mode operation. When it is activated under "cool" mode operation, the set temperature will increase 0.5°C after 30 minutes, 1°C after 1 hour and 2°C after 2 hours. If it is actiaved under "HEAT" mode operation, the set temperature will be descreased 0.5°C after 30 minutes, 1°C after 1 hour and 2°C after 2 hours.

7. Air Swing
- Press button to activate the automatic air swing function.

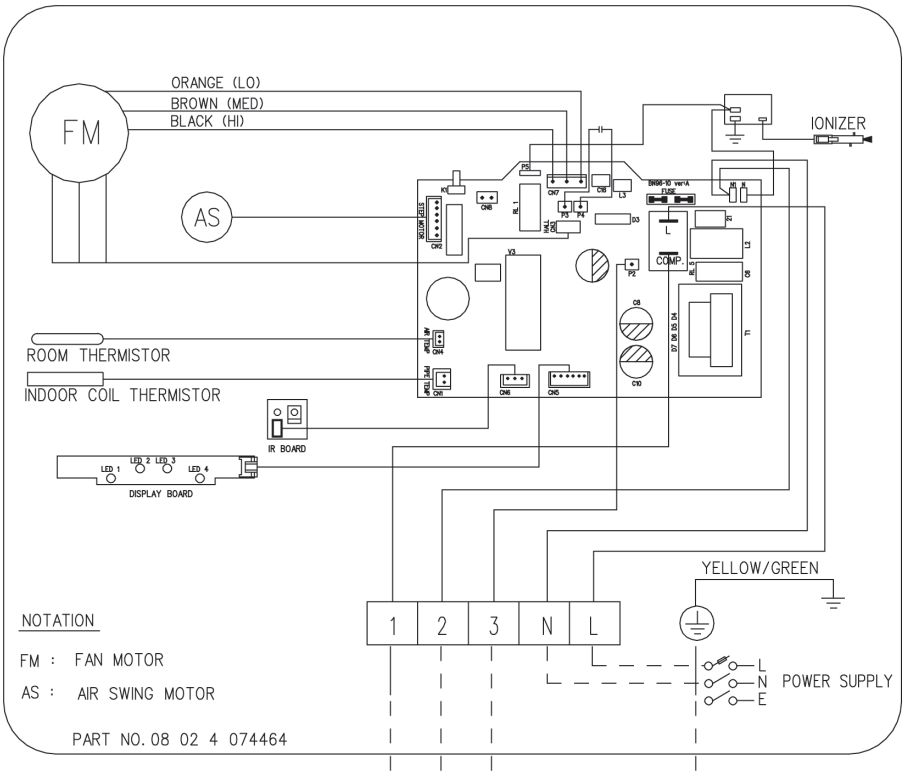
8. Sensor
- Infra red sensor to receive signals from wireless controller.

9. LED Display
- To display the set temperature (in °C) and timer delay setting (in hours).

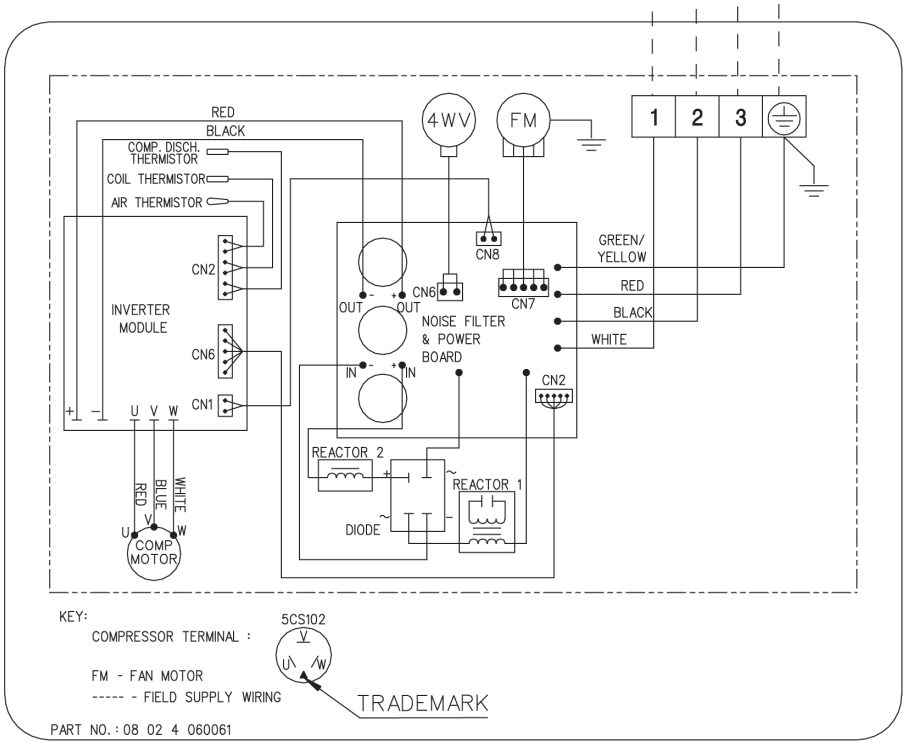
10. Transmission source
- To transmit signals to the air conditioner.

Wiring Diagrams

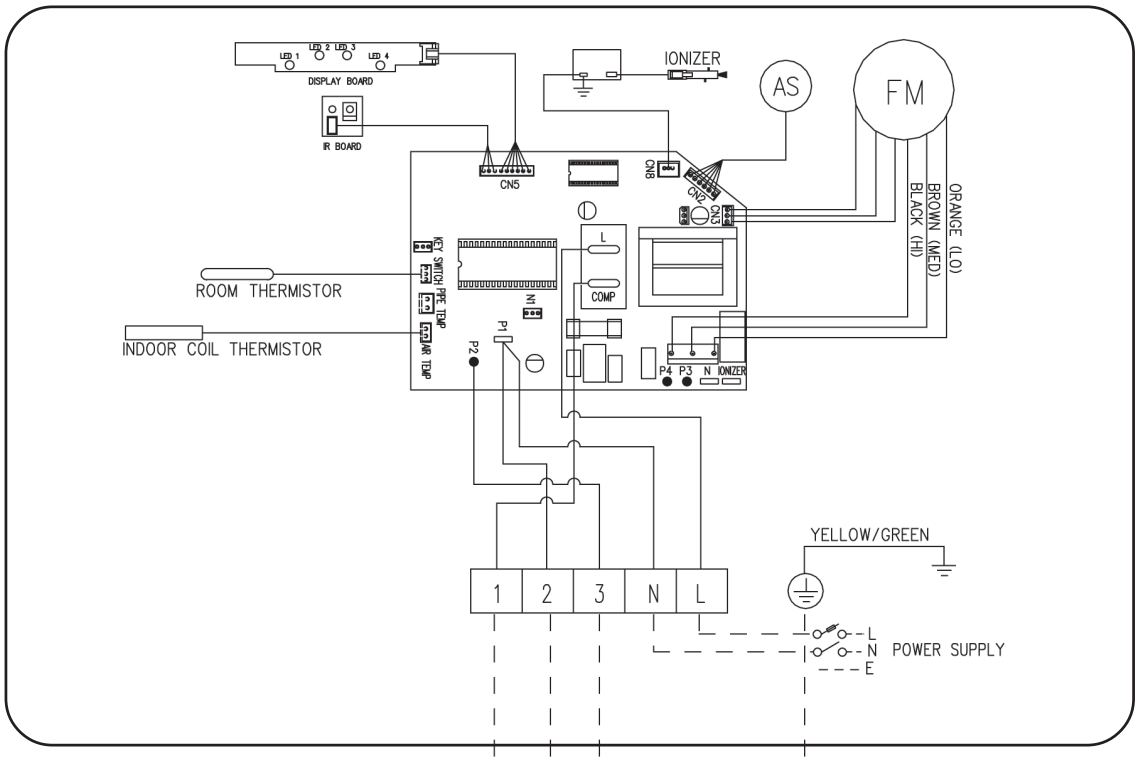
Indoor Unit
MODEL : M5WMX 010 / 015 G/GR (WITH IONIZER)



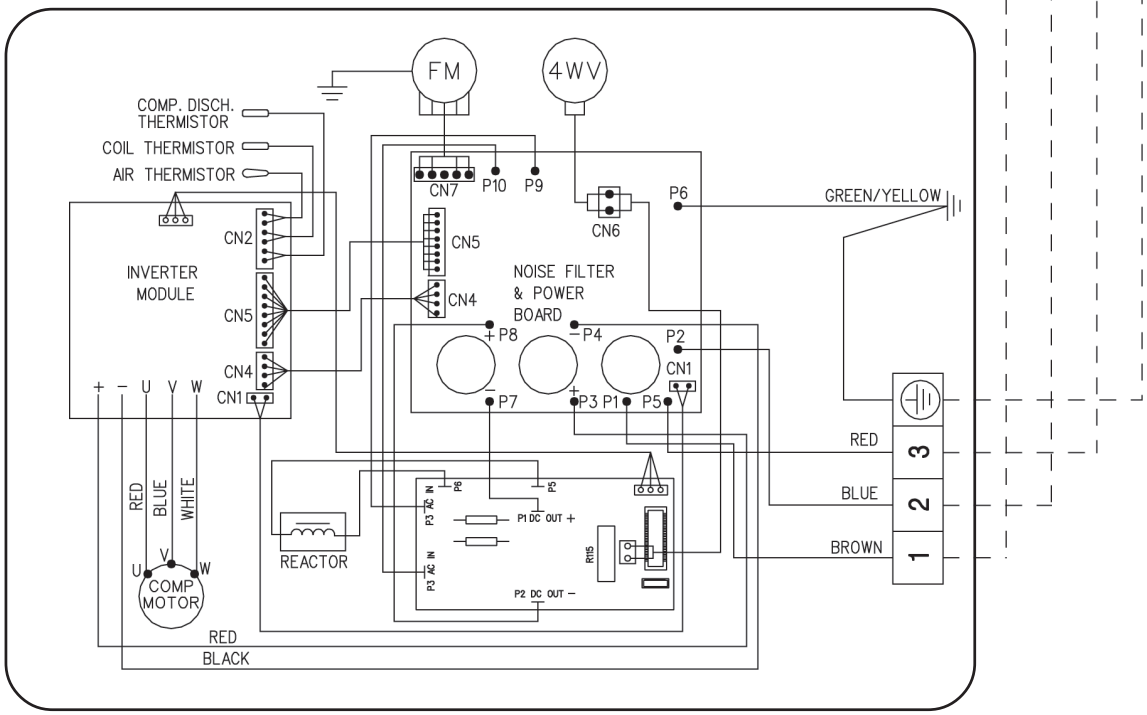
Outdoor Unit
MODEL : M5LCX 010 / 015 C/CR



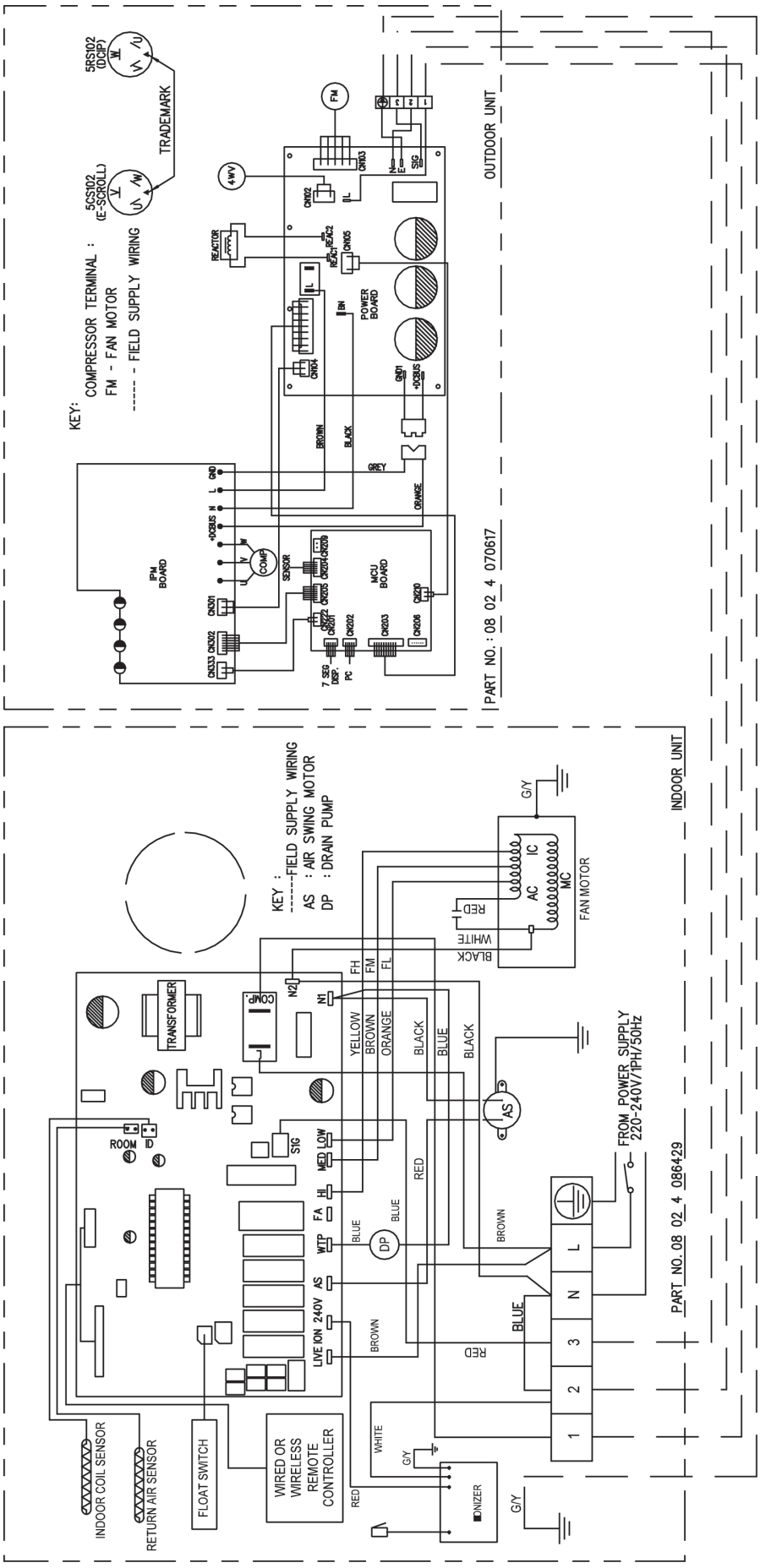
Indoor Unit
MODEL : M5WMX 020 / 025 G/GR (WITH IONIZER)



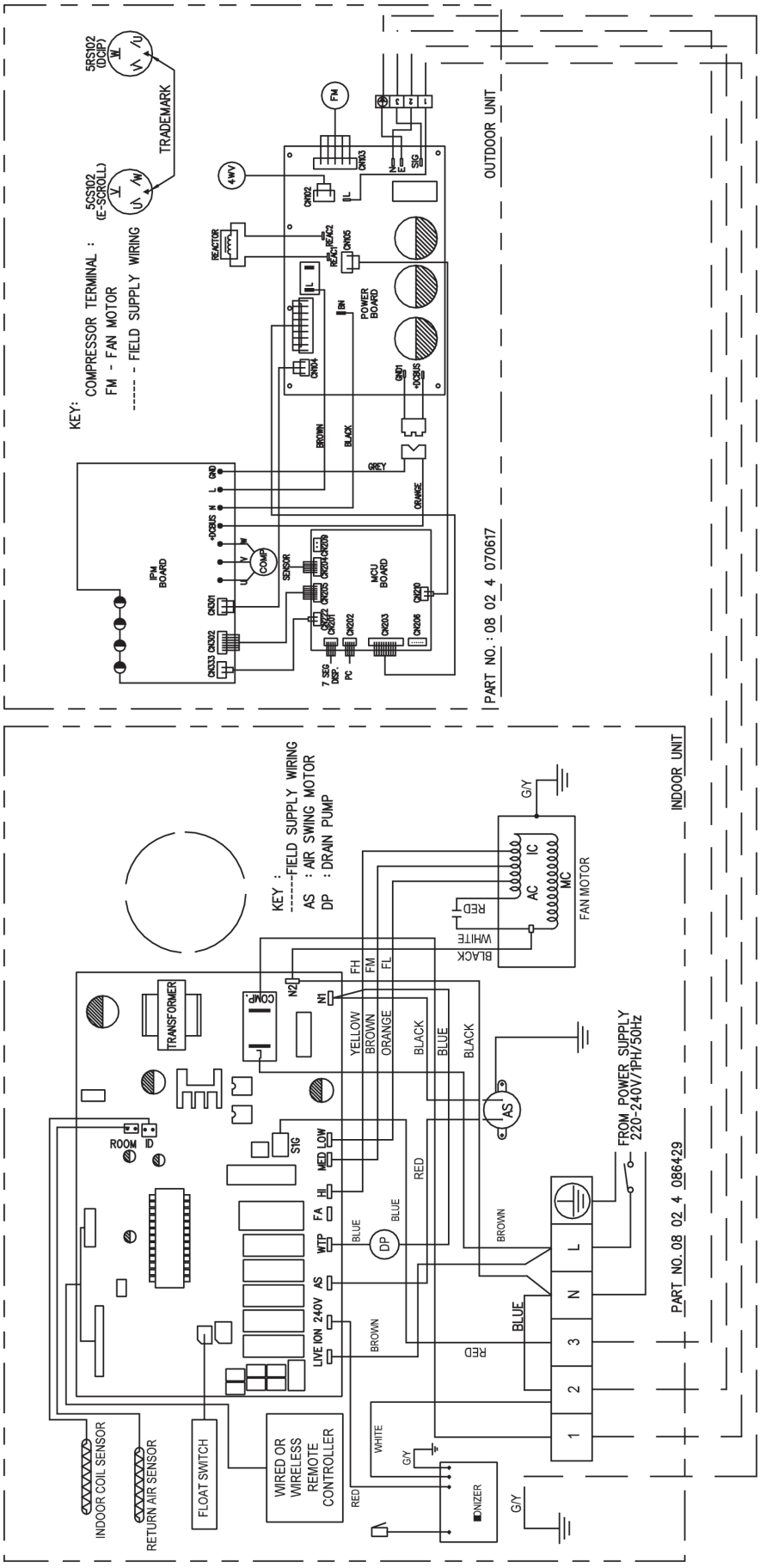
Outdoor Unit
MODEL : M5LCX 020 / 025 C/CR



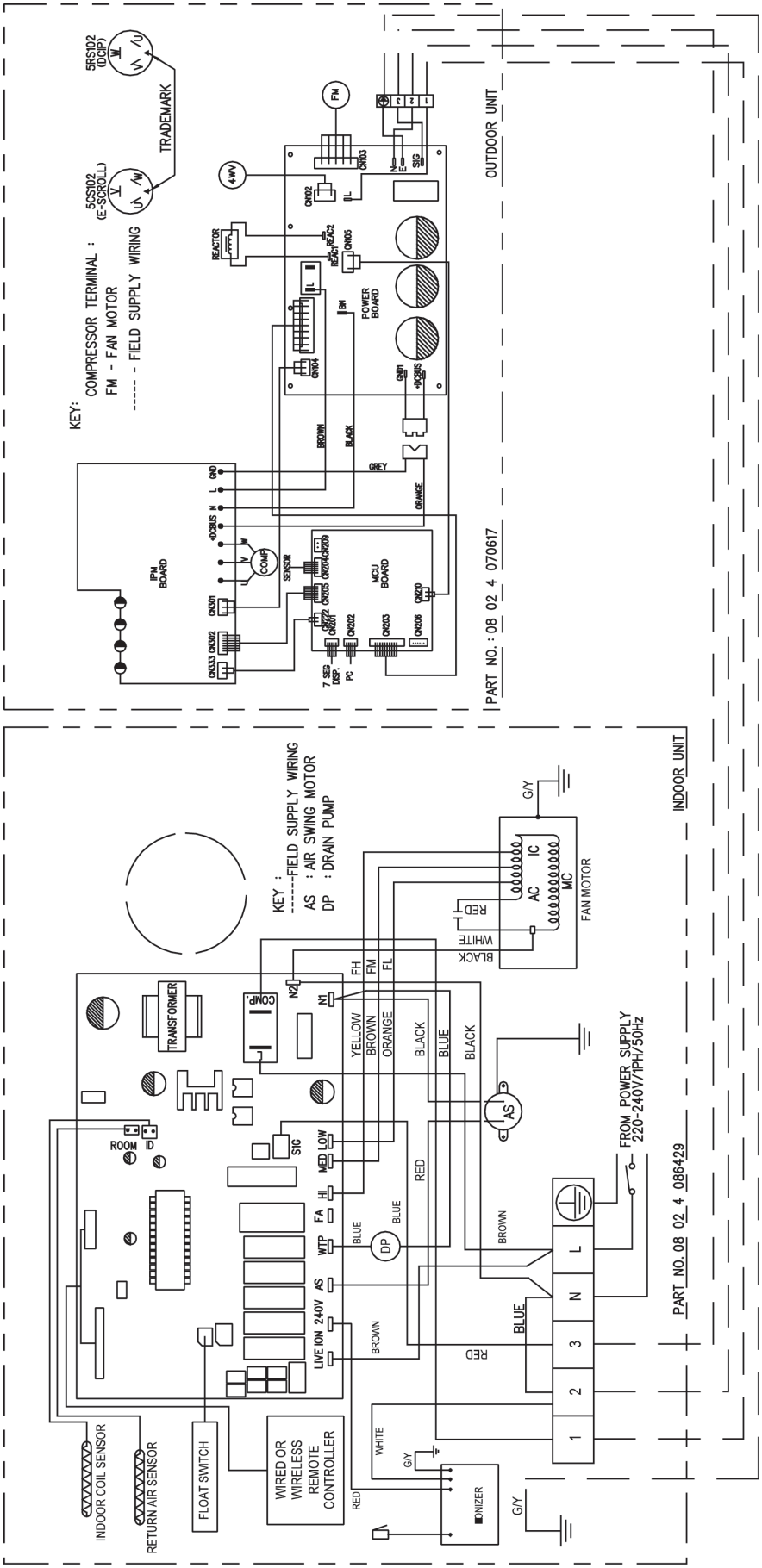
MODEL : M5CKX 010/015C/CR c/w M5LCX 010/015 C/CR



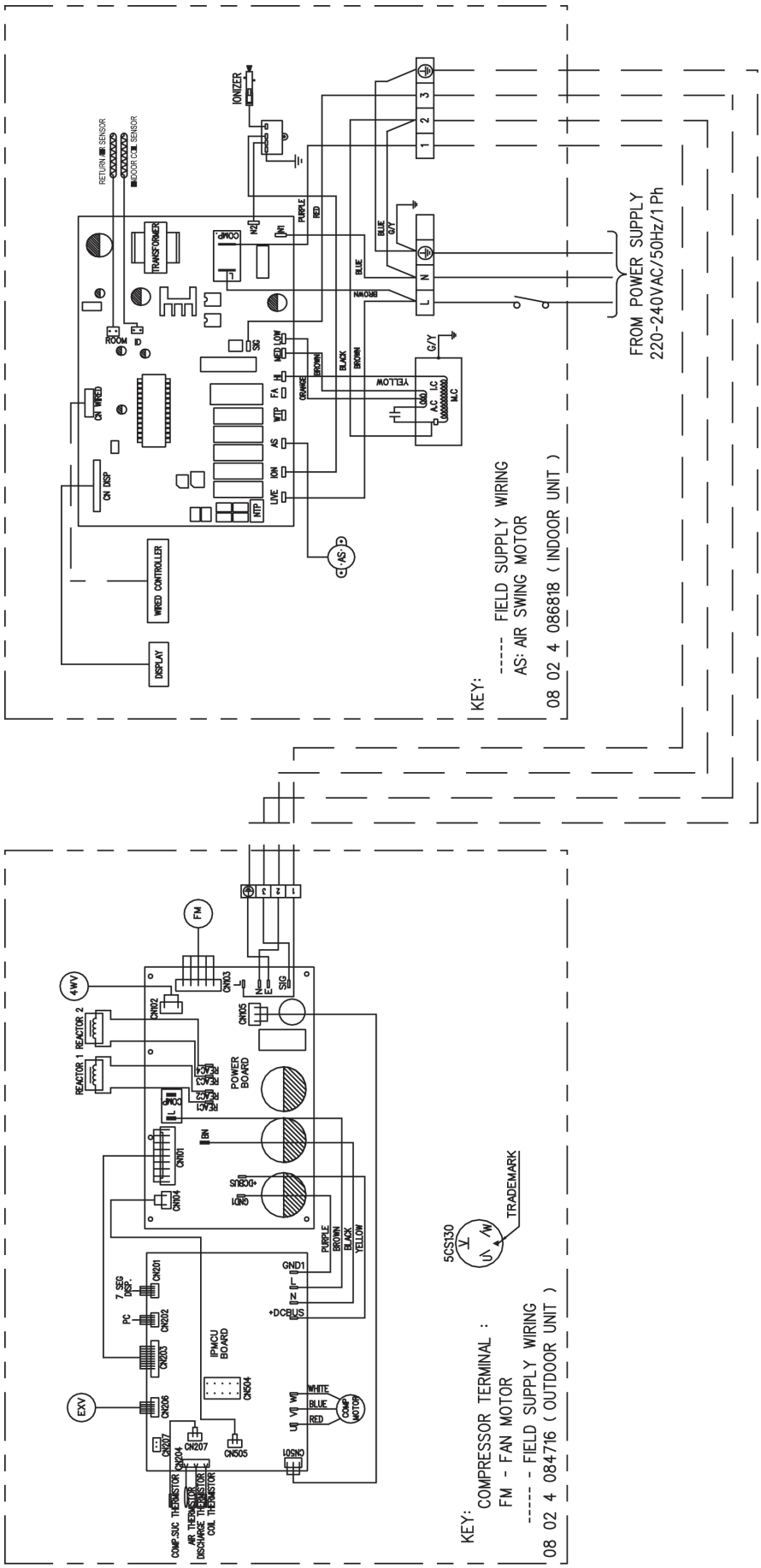
MODEL : M5CKX 020C/CR c/w M5LCX 020C/CR



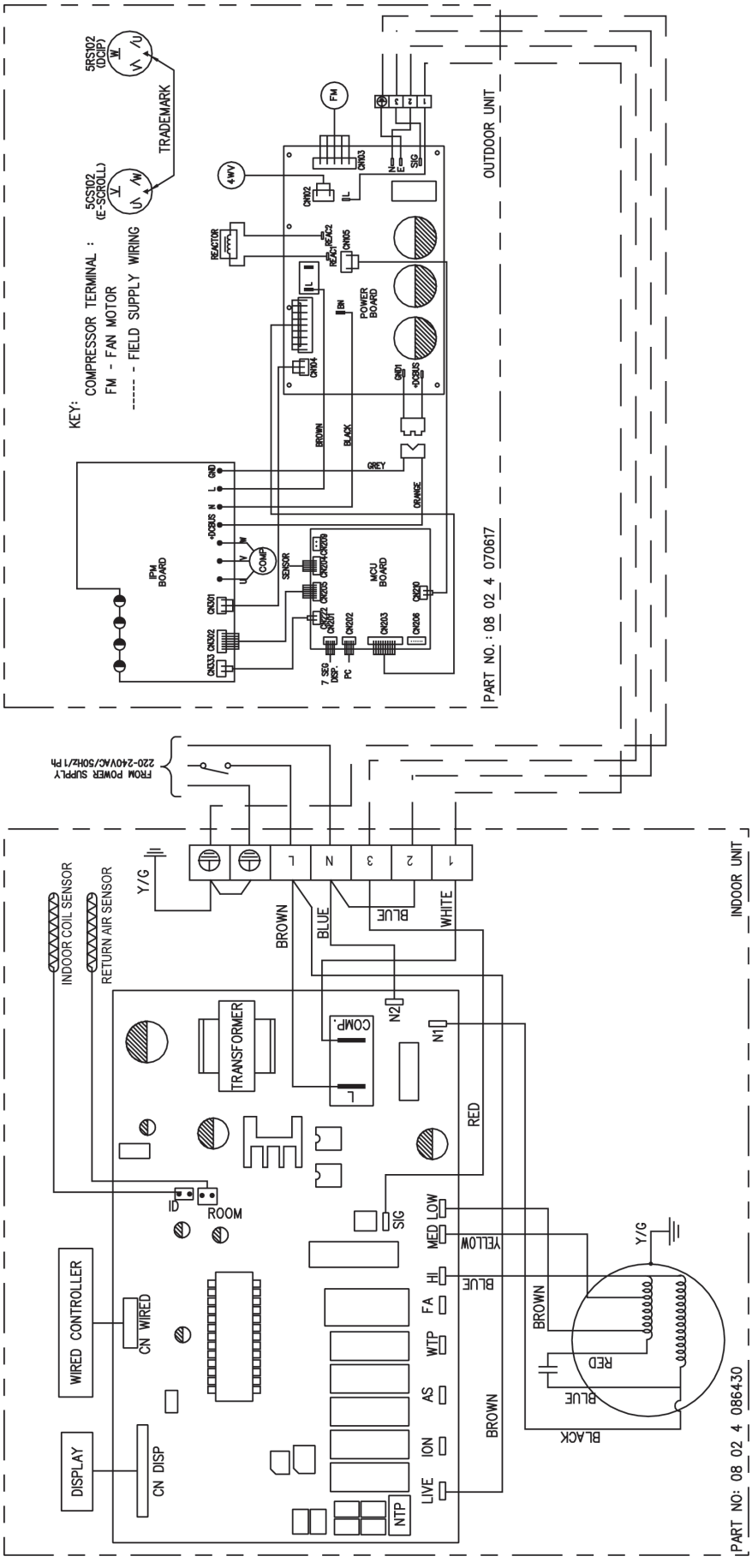
MODEL : M5CKX 020/025A/AR c/w M5LCX 020/025C/CR



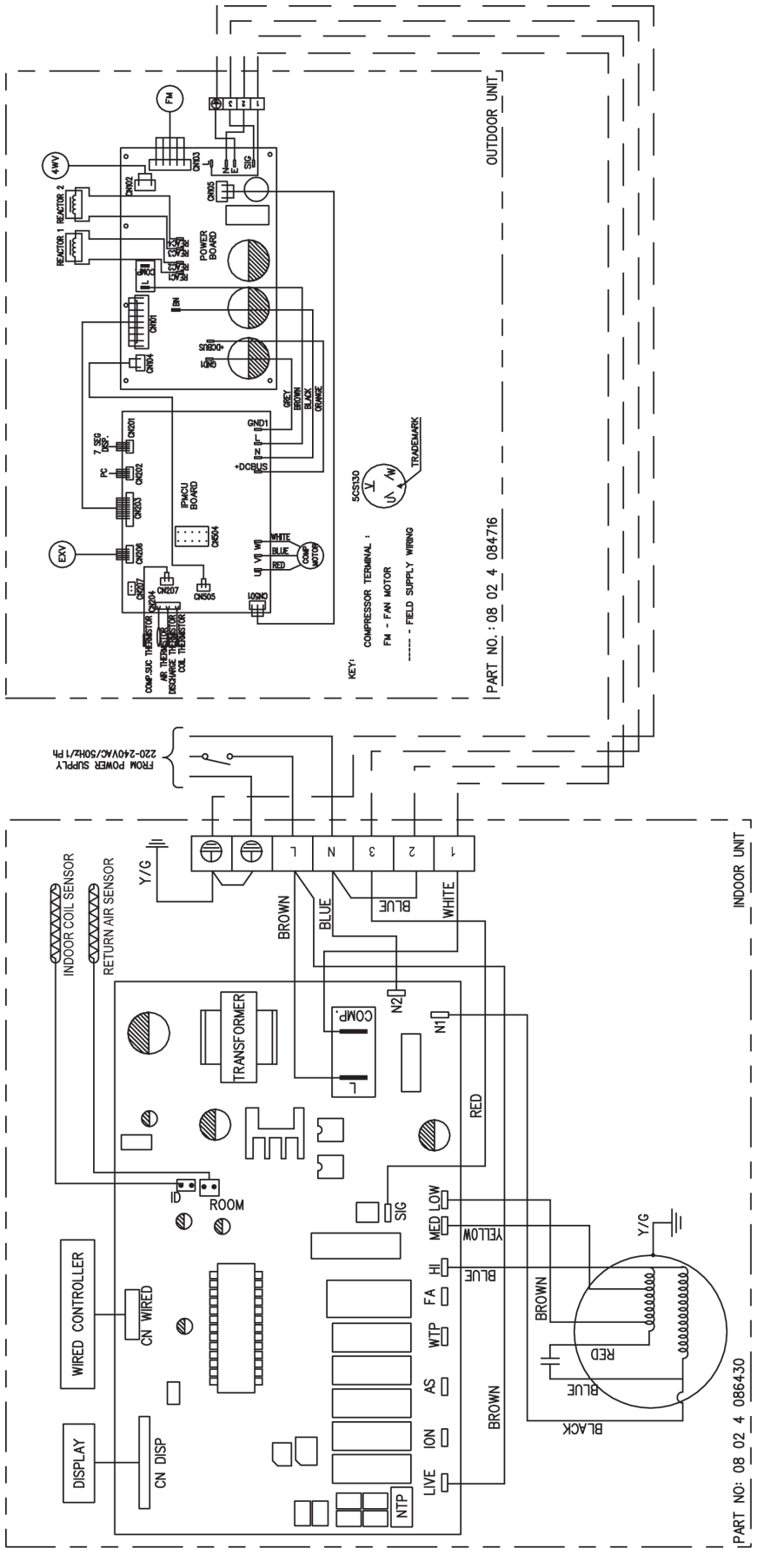
MODEL : M5CMX 020/025E/ER c/w M5LCX 020/025C/CR



MODEL : M5CCX 010/015C/CR c/w M5LCX 010/015C/CR

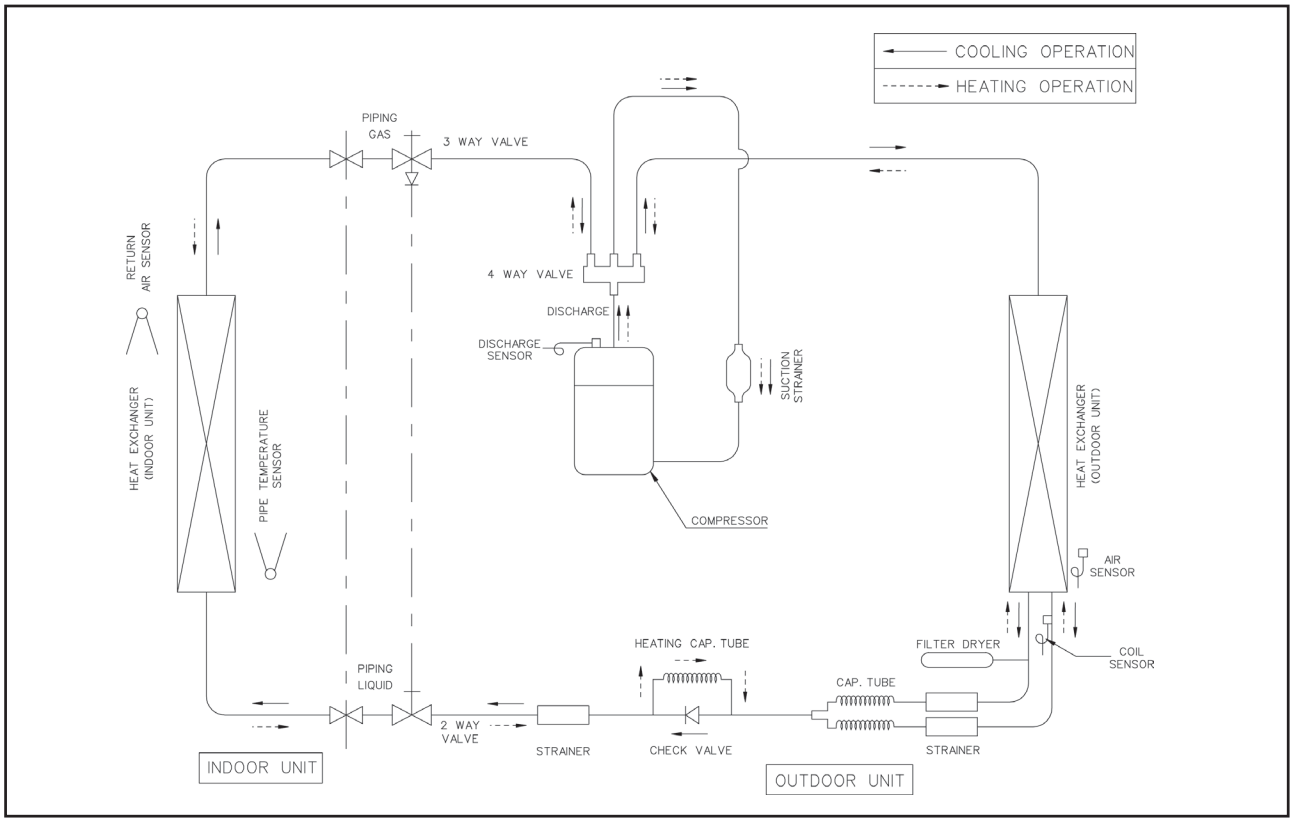


MODEL : M5CCX 020/025C/CR c/w M5LCX 020/025C/CR

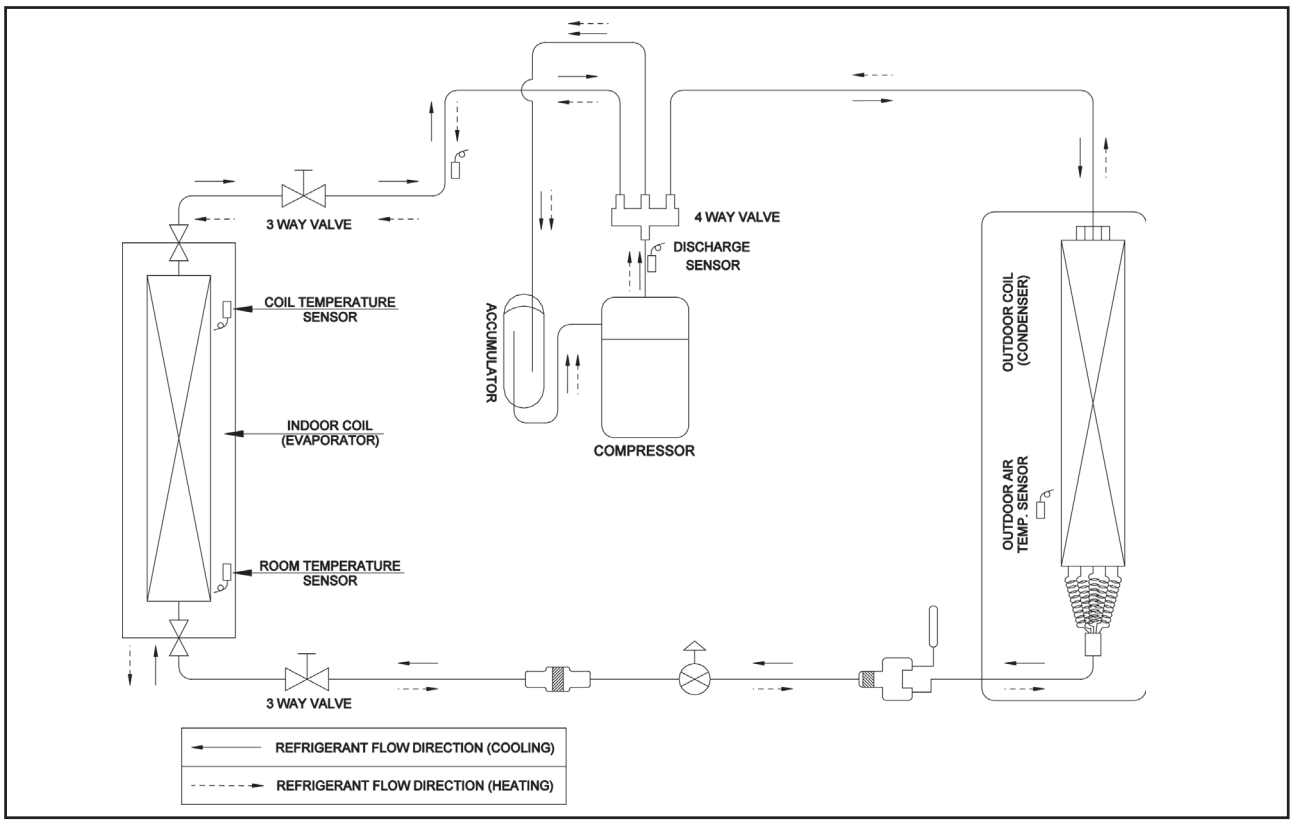


Refrigerant Circuit Diagram

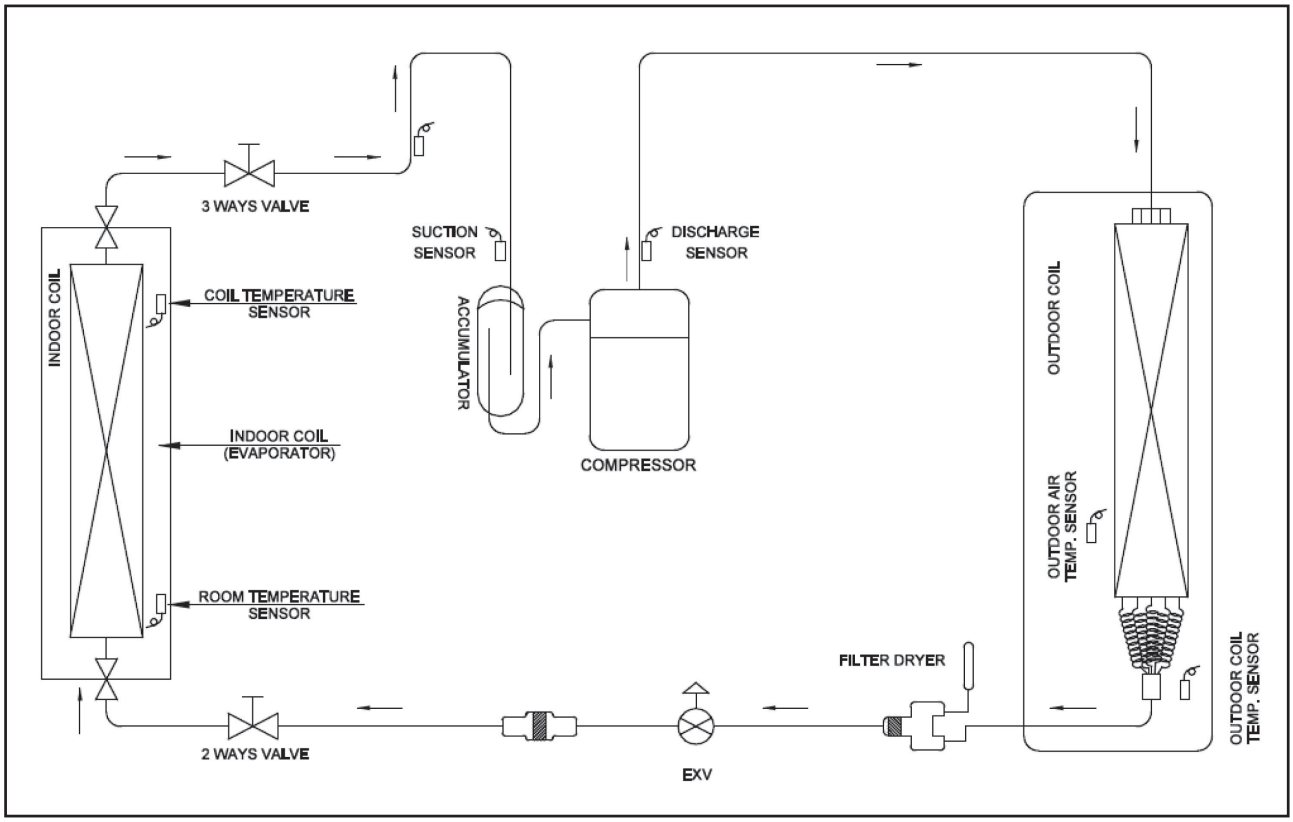
MODEL : M5WMX 010GR/015GR c/w M5LCX 010CR/015CR



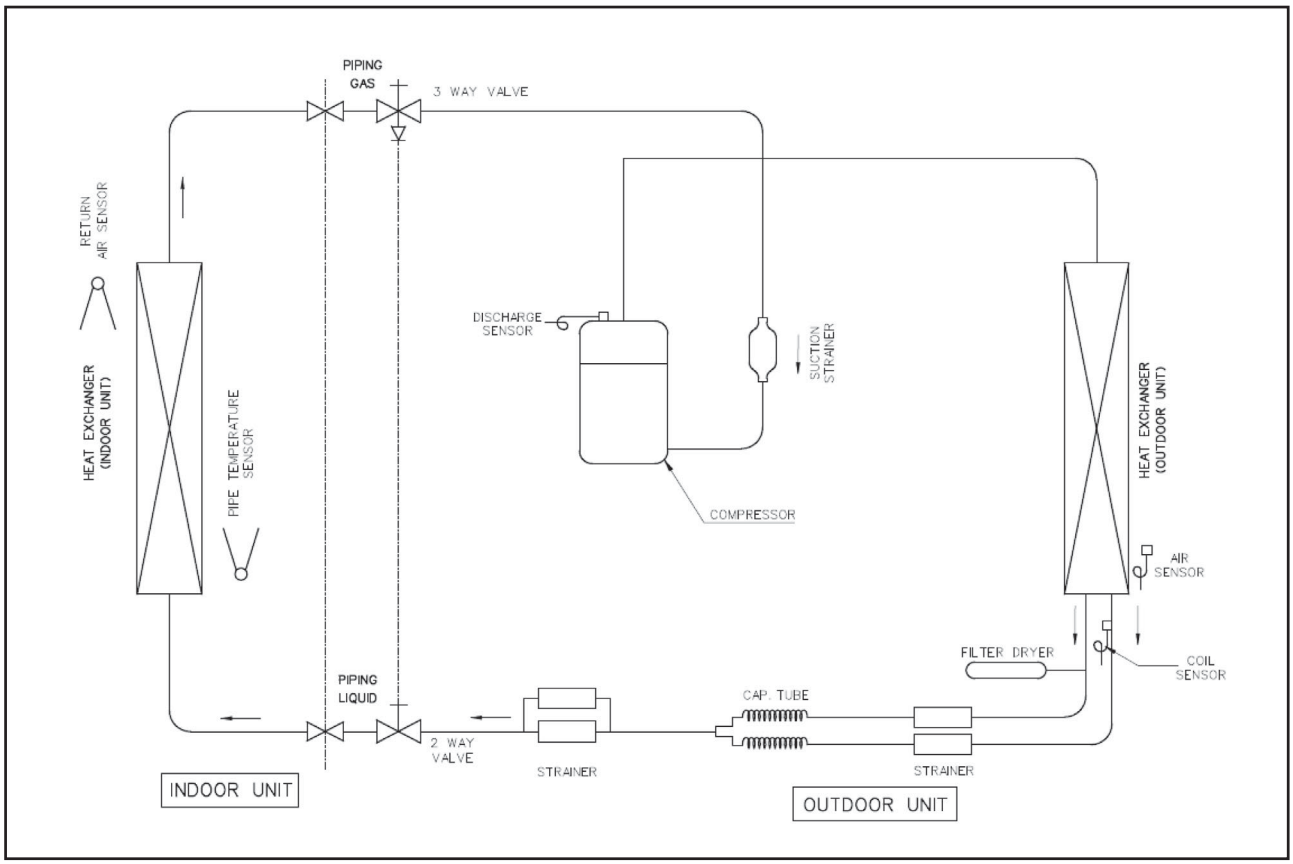
MODEL : M5WMX 020GR/025GR c/w M5LCX 020CR/025CR



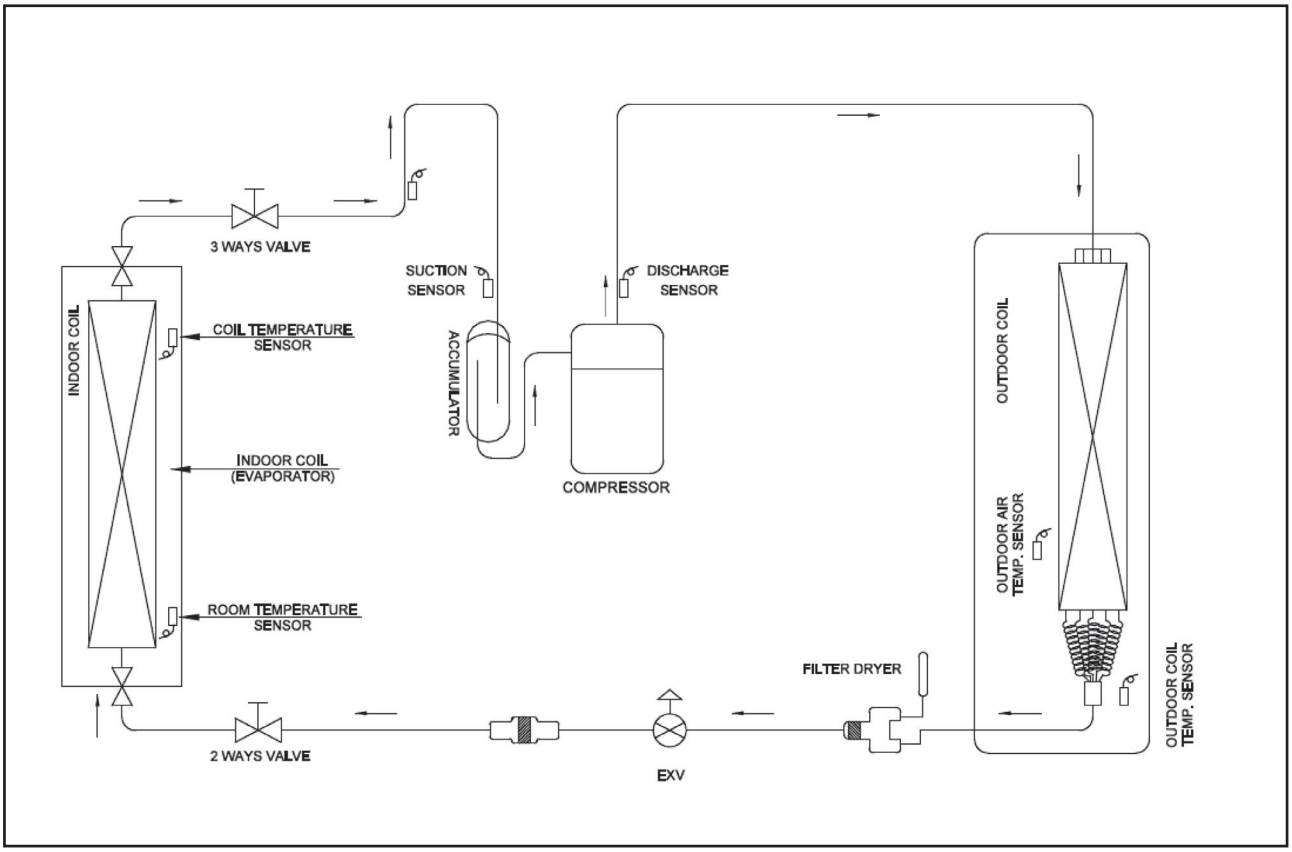
MODEL : M5CKX020A - M5LCX020C M5CKX025A - M5LCX025C
M5CKX020C - M5LCX025C



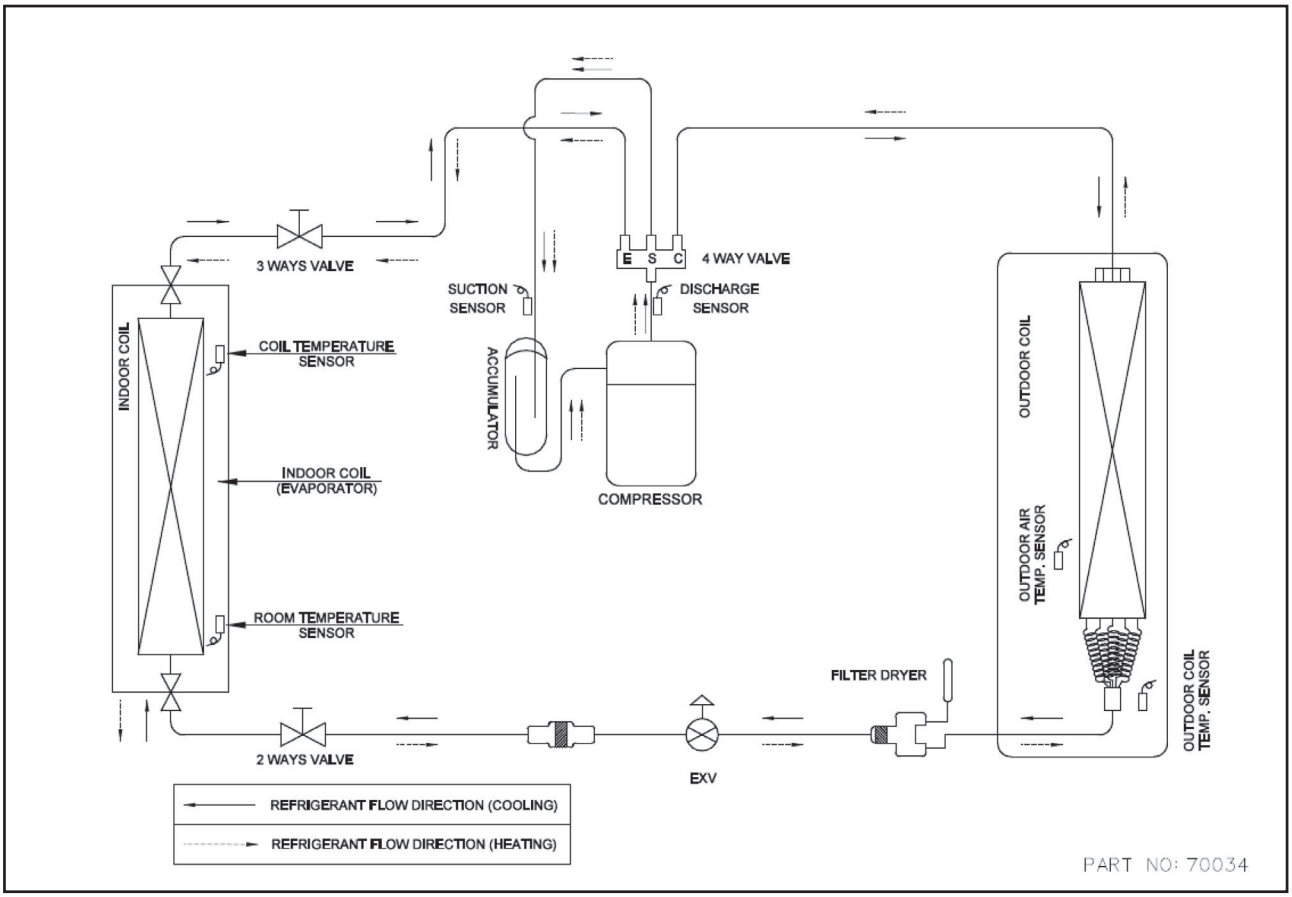
MODEL : M5CKX010C - M5LCX010C
M5CKX015C - M5LCX015C



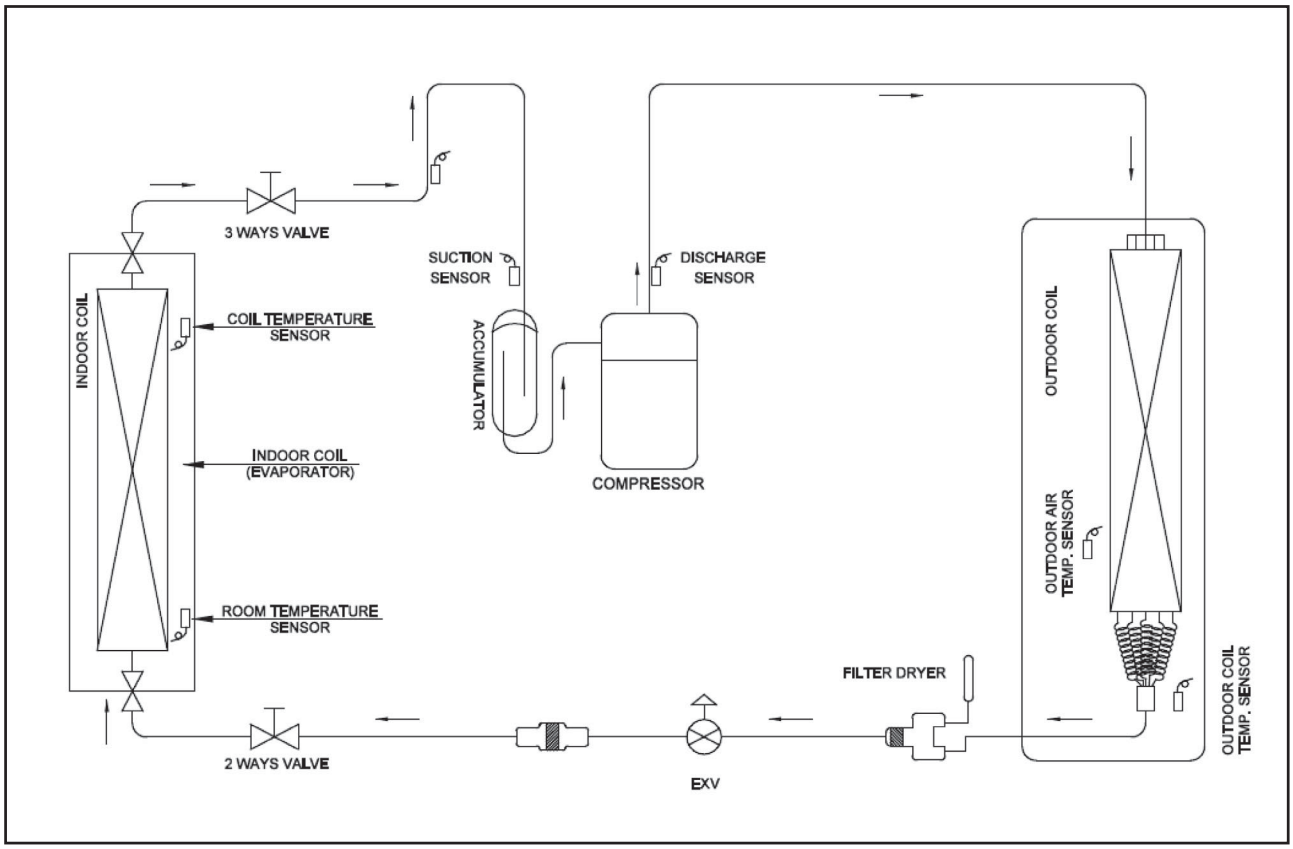
MODEL : M5CMX020E - M5LCX020C M5CMX025E - M5LCX025C



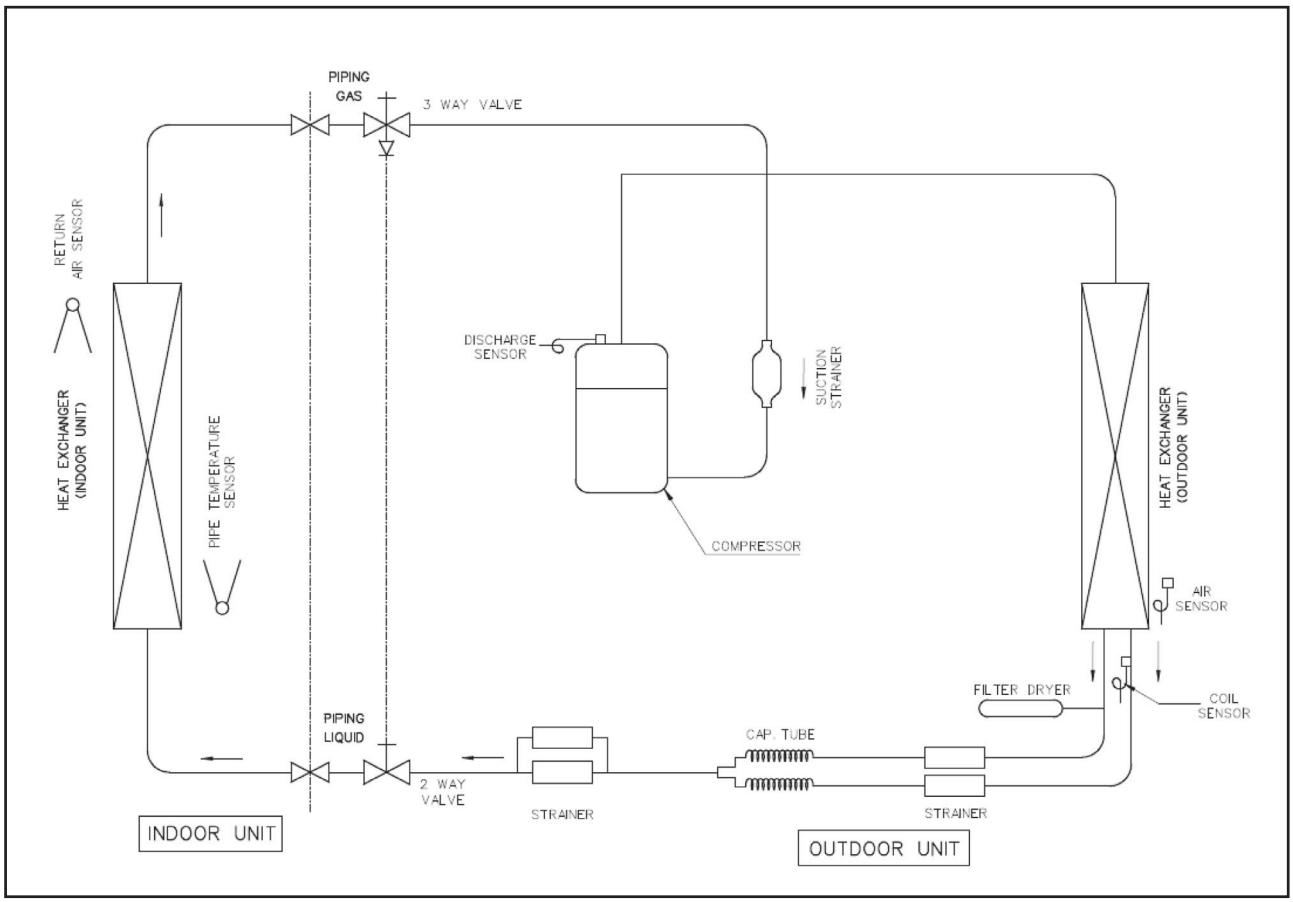
MODEL : M5CMX020ER - M5LCX020CR M5CMX025ER - M5LCX025CR



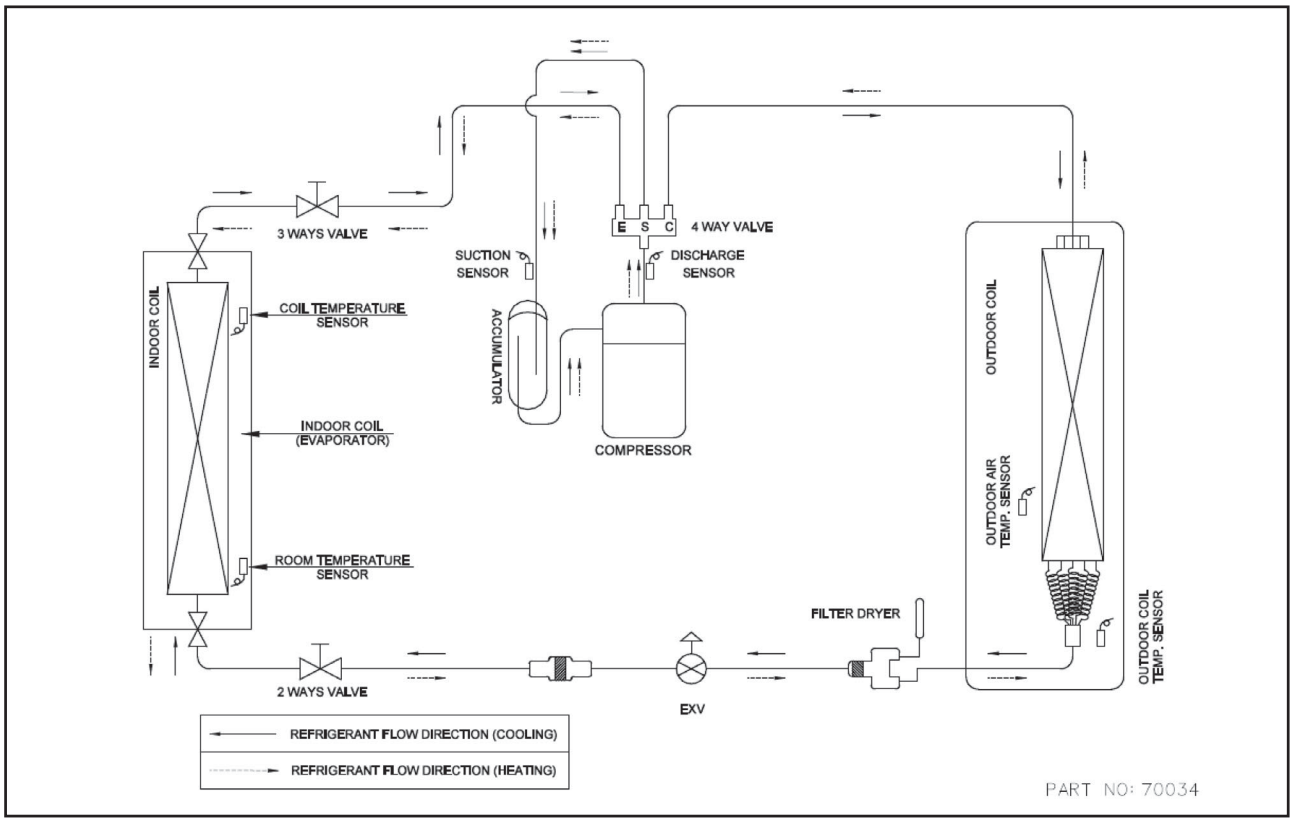
MODEL : M5CCX020C - M5LCX020C M5CCX025C - M5LCX025C



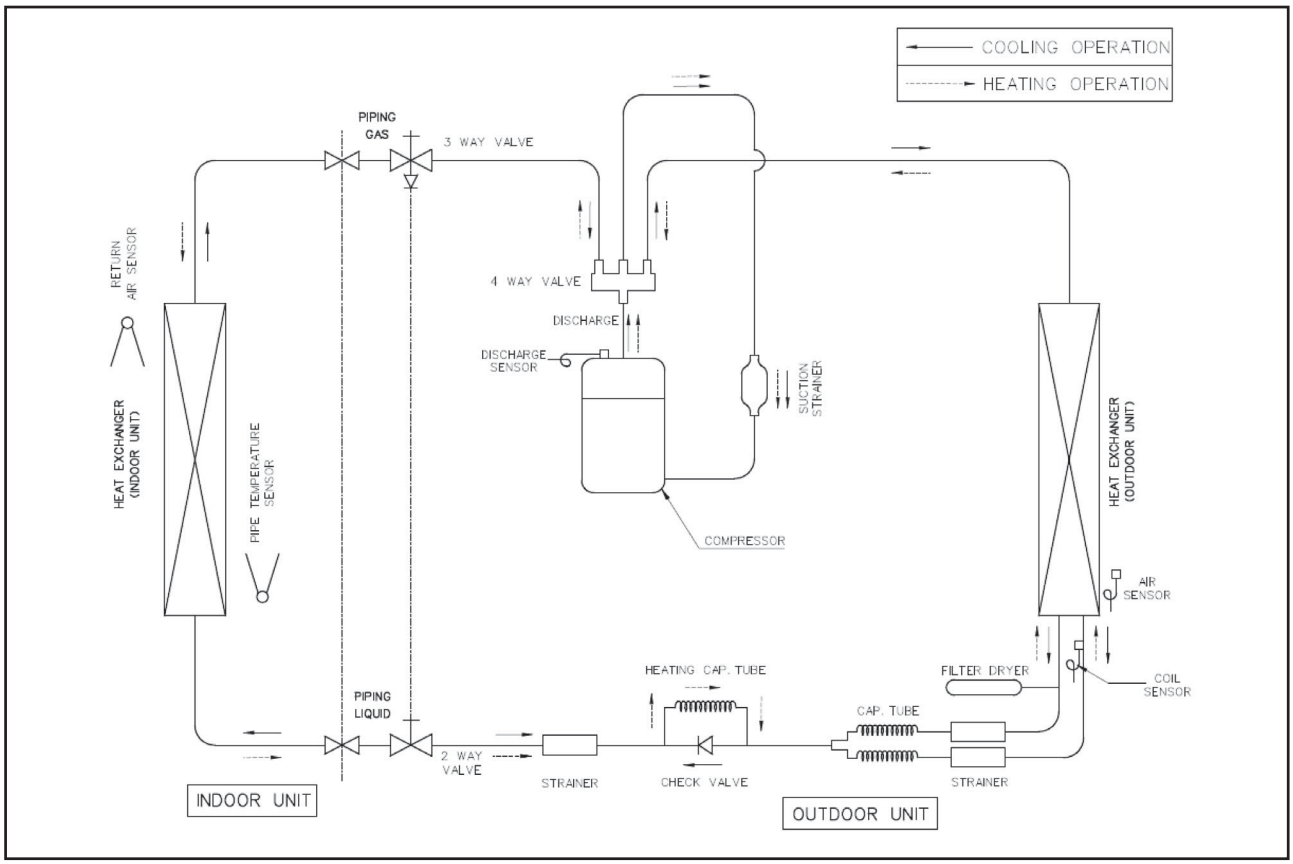
MODEL : M5CCX010C - M5LCX010C M5CCX015C - M5LCX015C



MODEL : M5CCX020CR - M5LCX020CR M5CCX025CR - M5LCX025CR

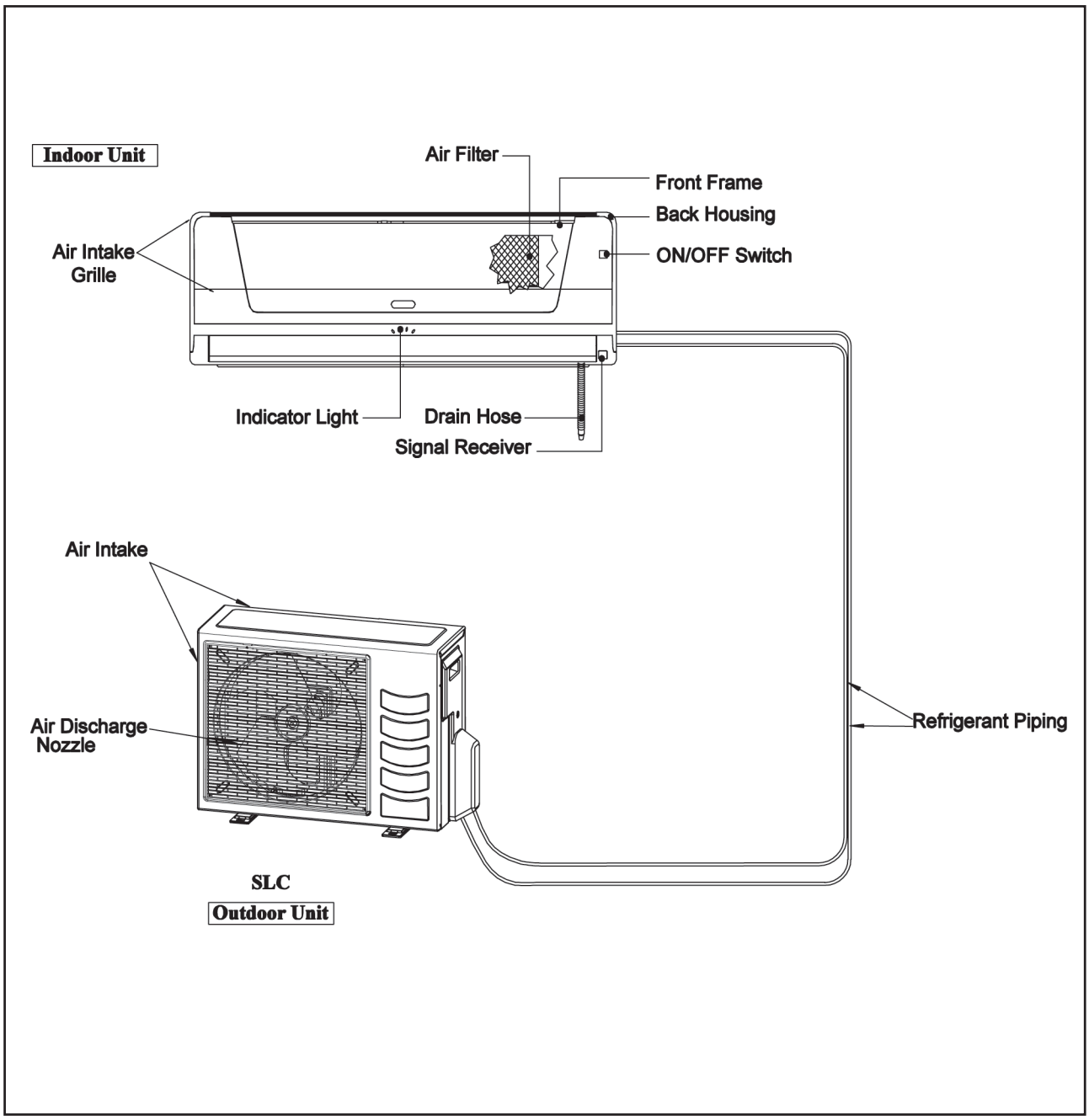


MODEL : M5CCX010CR - M5LCX010CR M5CCX015CR - M5LCX015CR



Installation

Installation Diagram



1. Selection Of Location And Space

Indoor Unit

Wall Mounted

Install the fan coil (indoor) unit at a location with the following requirements

- Location is suitable for wiring, piping and drainage.
- No obstruction of air flow into and out of unit where cooler air can be evenly distributed.(See fig. 1)
- Ensure that air discharge is not short circuited with air intake.
- Ensure that wall is sufficiently strong, rigid, flat, perpendicular and vibration free.
- Where air filter cassette can be slides in or out easily.
- Where there is no danger of flammable gases.
- Where there is no direct sunlight on unit.
- Also to take into consideration a place for the installation of the Wireless LCD Remote Controller.

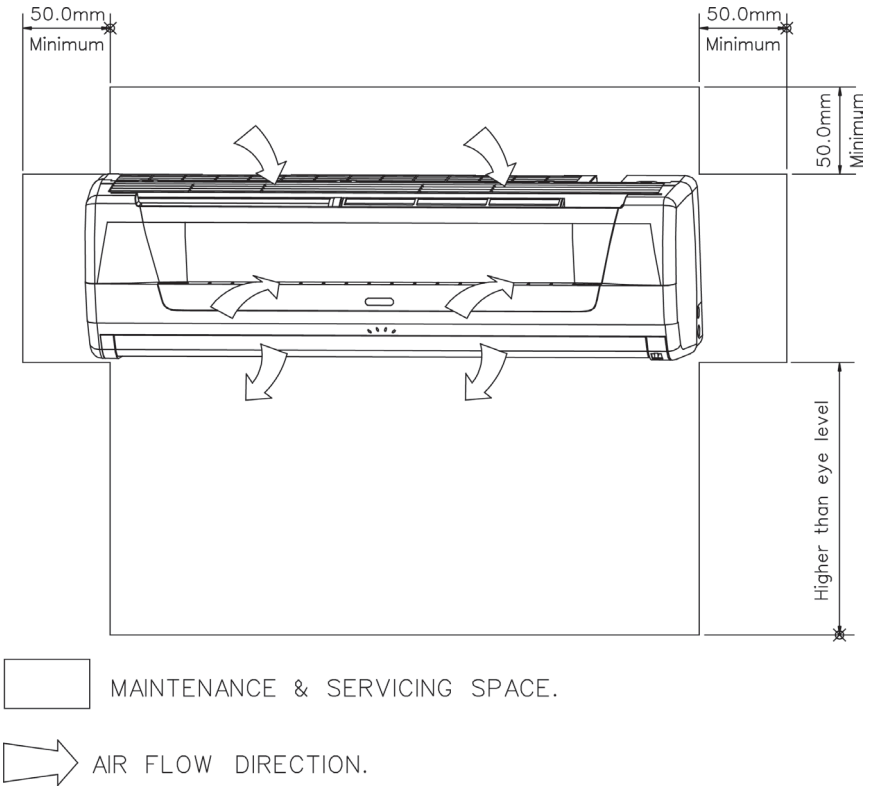


Figure 1

CAUTION :

- If the condensing unit is operated in an atmosphere containing oils(including machine oils), salt(coastal area), sulphide gas(near hot spring, oil refinery plant), such substances may lead to failure of the unit.
- If there is any obstacle higher than 2m, or if there is any obstruction at the upper part of the unit, please allow more space than the figure indicated in the above table.

2. Drilling Holes And Mounting Plate Installation

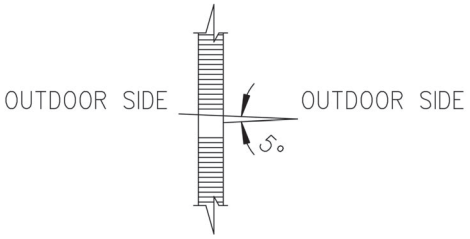
Cautions:

i) Please check the unit weight for each model. Always ensure that the wall is sufficiently strong to withstand the weight. If not, it is necessary to reinforce the wall with plate, beams or pillars.

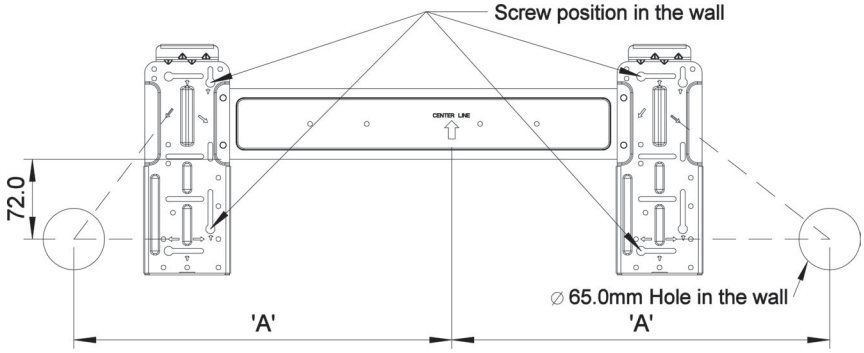
ii) The unit cannot be directly fixed onto the wall or the likes. In all cases, the installation plate provided MUST be used.

- Paste the installation plate provided on the desired location on the wall and marks the holes location accordingly.
- Ensure that the minimum maintenance and servicing space at the top, left and right side of the unit is reserved.
- Ensure also the levelness of the installation plate.
- Drill the screw mounting holes (minimum 4 screws are required).
- Drill the pipe hole at the location as per plan. (This is only applicable for rear piping outlet installation).

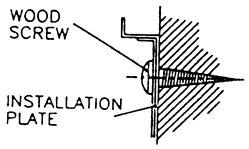
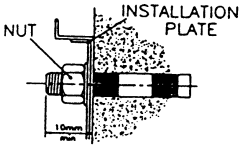
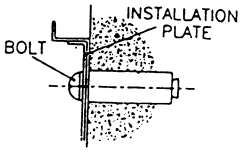
Note: The hole should be drilled slightly lower at outdoor side as per figure below:-



- Fix the installation plate firmly to wall, without tilting to left or right. Use a plumb line, if available.

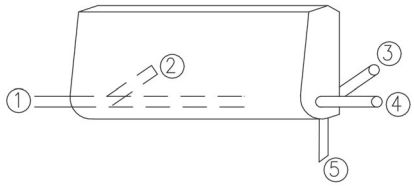


- Fixing methods:-

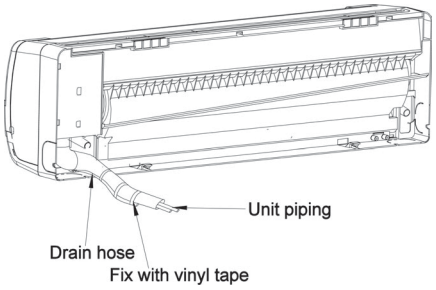
WOODEN	REINFORCED CONCRETE BUILDING	
	NUT ANCHOR	BOLT ANCHOR
		

3. Indoor Unit Preparation

- The refrigerant piping can be routed to the unit in 5 directions, by using the cut outs in the unit casing.

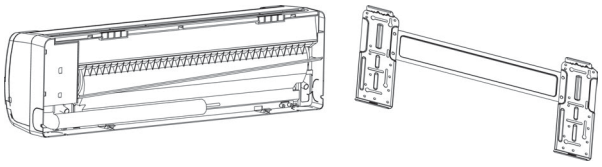


- Carefully bend the pipes to the required position to align with the hole. For right hand and rear side draw out, hold the bottom of the piping and fix direction before shaping it to the desired position. The condensation drain hose should be taped to the pipes with vinyl tape. The electrical cable can also be taped to the pipes.

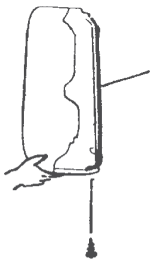


4. Mounting Indoor Unit

- Hook the indoor unit onto the upper portion of installation plate. (Engage the 2 hooks of rear top of the indoor unit with the upper edge of the installation plate). Ensure the hooks are properly seated on the installation plate by moving in left and right.



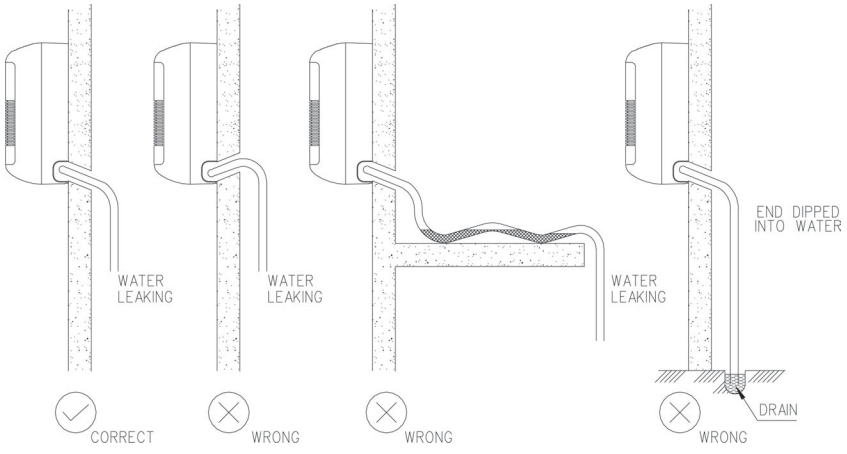
1. Hook the unit into the installation plate.



2. Fix the rivet underneath after completion of installation.

5. Water Drainage Piping

- The indoor drain pipe must be downward gradient for smooth drainage. Avoid situation as shown in figure below.

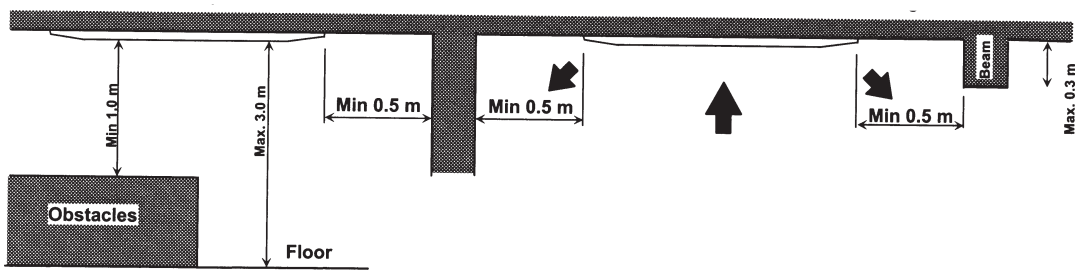


Indoor Unit

Ceiling Cassette

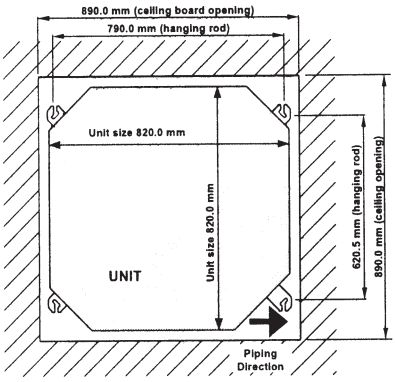
Preliminary Site Survey

- Electrical supply and installation is to confirm to local authority's (e.g. National Electrical Board) codes and regulations.
- Voltage supply fluctuation must not exceed ± 10% of rated voltage. Electricity supply lines must be independent of welding transformers which can cause high supply fluctuation.
- Ensure that the location is convenient for wiring, piping and drainage.
- The indoor unit must be installed in such that free from any obstacles in path of cool air discharge and warm air return, and must allow spreading or air throughout the room (near the centre of the room).
- Clearance must be provided for the indoor unit from the wall and obstacles as shown in the figure.

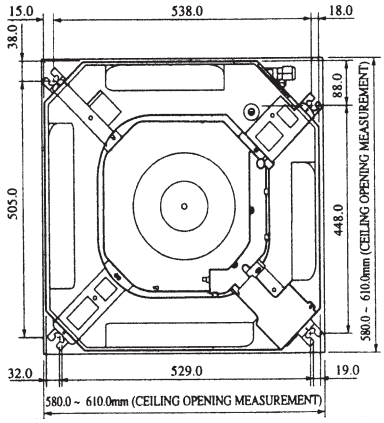


- The installation place must be strong enough to support a load of 4 times the indoor unit weight to avoid amplifying noise and vibration.
- The installation place (handling ceiling surface) must be level and the height in the ceiling is 350mm or more.

Unit Installation



M5CKX-A

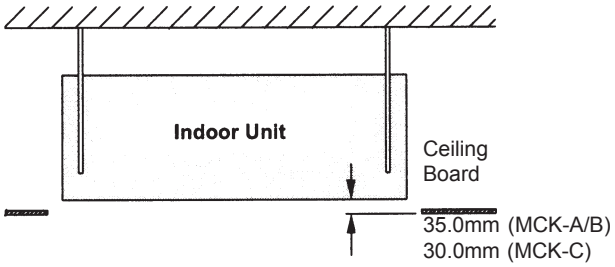


M5CKX-C

- The indoor unit must be away from heat and steam sources (avoid installing it near an entrance).
- Measure and mark the position for the hanging rod. Drill the hole for the angle nut on the ceiling and fix the hanging rod.
- The installation template is extended according to temperature and humidity. Check on dimensions in using.
- The dimensions of the installation template are same as those of the ceiling opening dimensions.
- Before ceiling laminating work is completed, be sure to fit the installation template to the indoor unit.

Note: Be sure to discuss the ceiling drilling work with the installers concerned.

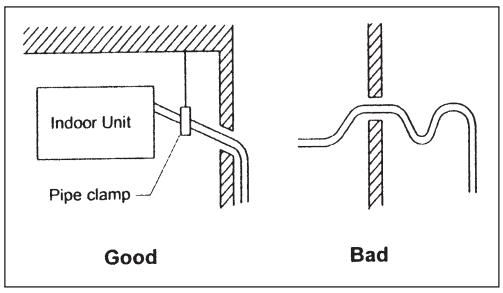
Unit Hanging



M5CKX-A/C

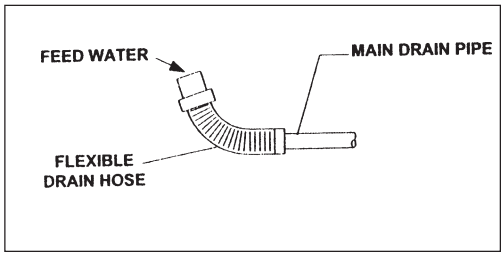
- Confirm the pitch of the hanging rod is 790.0mm X 620.5mm (M5CKX-A)
- Hold the unit and hand it on the hanging rod with the nut and washer.
- Adjust the unit height to 35.0mm between the indoor unit bottom surface and the ceiling surface.
- Confirm with a level gauge that the unit is installed horizontally and tighten the nut and bol to prevent unit falling and vibration.
- Open the ceiling board along the outer edge of the paper installation template.

Drain Piping Work



- Drain pipe must be downward gradient for smooth drainage.
- Avoid the drain pipe from up and down slope to prevent reversal flow.
- During the drain piping connection, be careful not to exert extra force on the drain connector at indoor unit.
- The outside diameter of the drain connection at the flexible drain hose is 20mm.
- Be sure to provide heat insulation (polyethylene foam with thickness more than 8.0mm) on the drain piping to avoid the condensed water dripping inside the room.

Drain Test

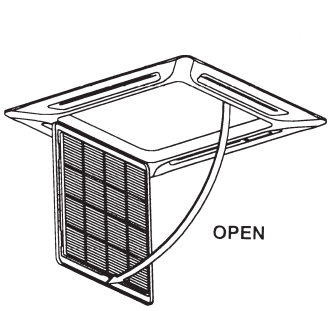


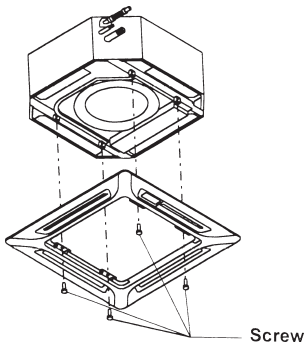
- Connect the main drain pipe to the flexible drain hose.
- Feed water from flexible drain hose and check the piping for leakage.
- When the test is completed, connect the flexible drain hose to the drain connector on the indoor unit.

Note: This indoor unit use drain pump for condensed water drainage. Install the unit horizontally to prevent water leakage or condensation around the air outlet.

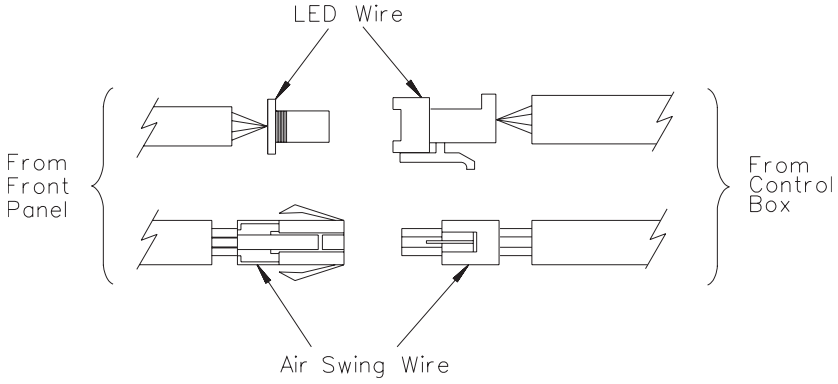
Panel Installation

- The front panel can only be fitted in one direction, follow the piping direction. (Follow piping arrow sticker on the front panel).
- Be sure to remove the installation template before installing the front panel.

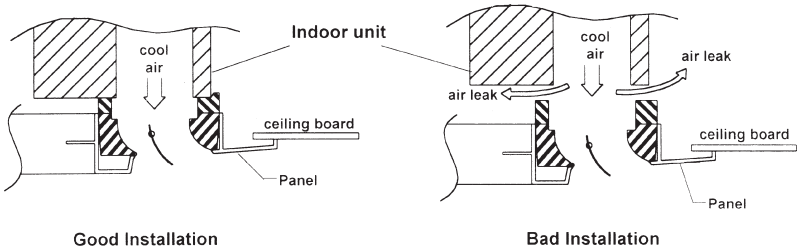




- Open the air intake grille by pulling back the catchers and remove it together with filter from panel.
- Install the front frame panel onto the indoor unit by using 4 screws and tighten it completely to prevent cool air leakage.
- Connect the LED wire and air swing wire to the indoor unit (Optional).



Note: Install the front frame panel firmly to prevent cool air leakage which will cause condensation and water dripping.



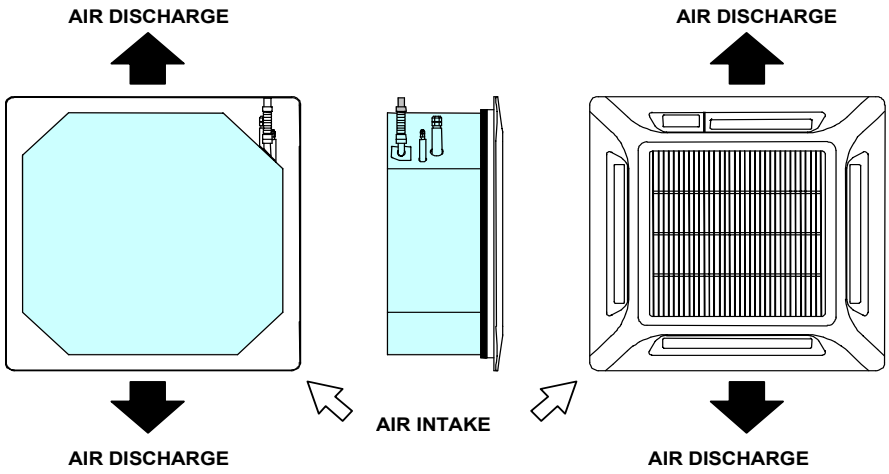
Short Duct Specification

Application for M5CKX-A Series only

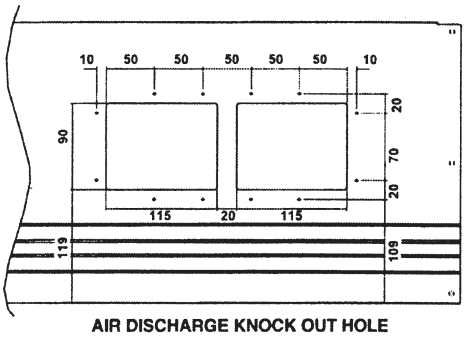
- The indoor unit is provided with air discharge and air intake “knock-out” hole for duct connection. However the connection of the short duct for air discharge is possible on only one side.

- The use of short duct for air discharge will improve air flow distribution if there is an obstruction (such as alighting fixture) or in a long, narrow room or an L-shaped room. It is also used for air-conditioning of two rooms simultaneously.

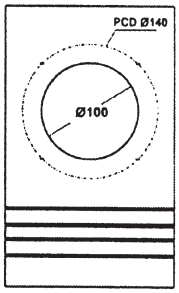
Possible Direction For Air Discharge and Air Intake



Possible Opening Dimension for Duct Connection



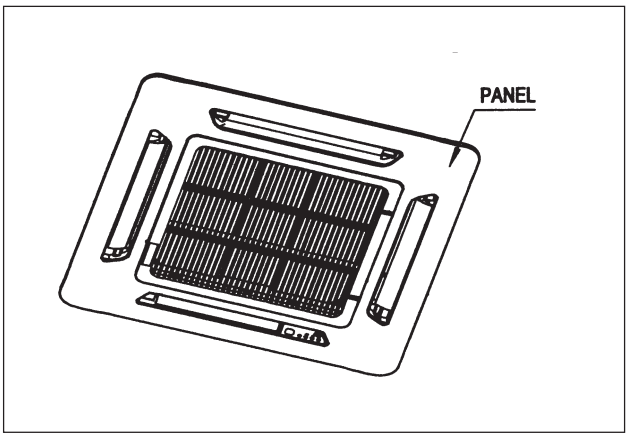
AIR DISCHARGE KNOCK OUT HOLE



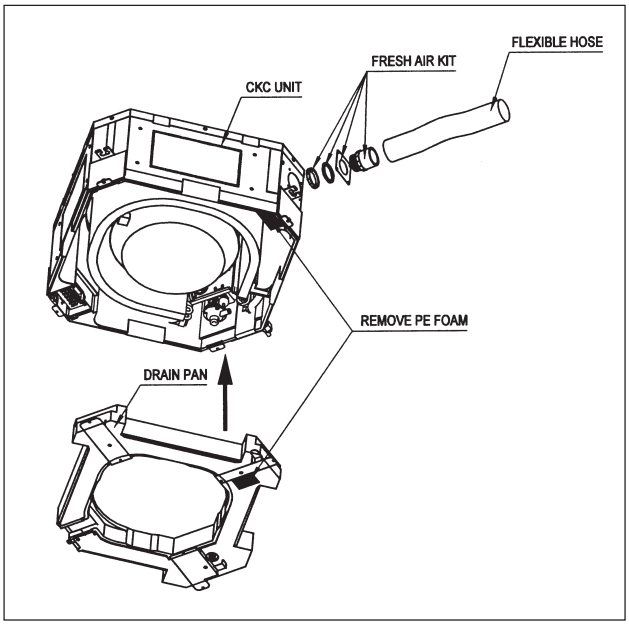
AIR INTAKE KNOCK OUT HOLE

Note:
1. **Avoid to use the short duct on which the air discharge grille can be completely closed, to prevent evaporator freezing.**
2. **In order to prevent condensation forming, be sure that there is sufficient thermal insulation and no leakage of cool air when installing the short duct.**
3. **Keep the introduction of fresh air intake within 20% of total air flow. Also provide a chamber and use a booster fan.**

Fresh Air Intake For M5CKX-C Unit



Take off the panel from the indoor unit



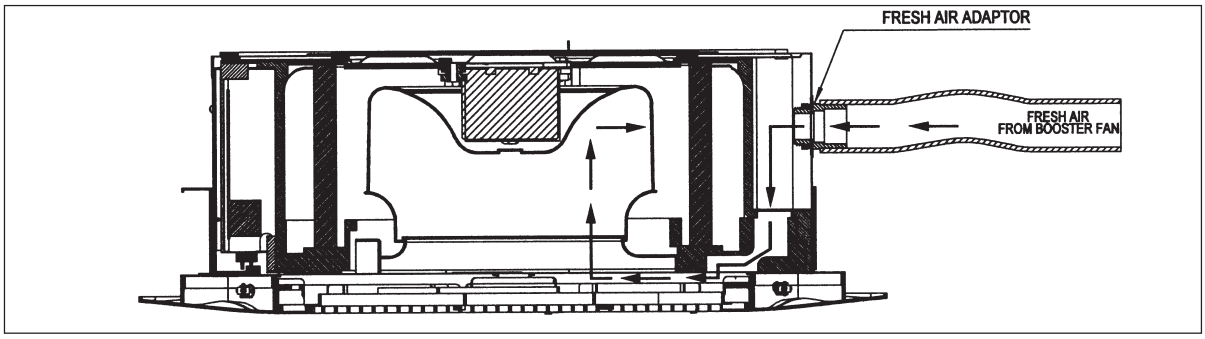
Remove the PE foam from the drain pan and another one on the unit.

Remove the pre-punched panel on the CKC unit with a screwdriver.

The diameter of the air intake knock out hole is 65mm.

Then, fix the fresh air kit (refer to parts list) to the hole.

Finally, a flexible duct is connected to let the fresh air moving in.



The direction of the fresh air intake is shown as figure 3.

Sealing Material

- It is possible to seal one of the four air discharge outlet (sealing two or more air discharge outlet could cause a malfunction).
- Remove the front panel and inserting the seal material into the air discharge outlet at the indoor unit to seal the air outlet.
- The sealing material is the same length as the length air discharge outlet. If it is desired to seal the shorter air discharge outlet, cut the sealing material to shorten it.
- Push the sealing material in about 10mm beyond the bottom surface of the indoor unit so that it does not touch the air louver. Be sure not to push the sealing material in any father than about 10mm.

Indoor Unit

Ceiling Convertible

Preliminary Site Survey

- Electrical supply and installation is to confirm to local authority's (e.g. National Electrical Board) codes and regulations.
- Voltage supply fluctuation must not exceed ± 10% of rated voltage. Electricity supply lines must be independent of welding transformers which can cause high supply fluctuation.
- Ensure that the location is convenient for wiring, piping and drainage.

Standard Mounting

Ensure that the overhead supports are strong enough to hold the weight of the unit. Position the hanger rods (wall mounting bracket for floor standing), and check for its alignment with the unit as shown in Figure A. Also, check that the hangers are secured and the base of the fan coil unit is leveled in both horizontal directions, taking into account the gradient for drainage flow as recommended in Figure B.

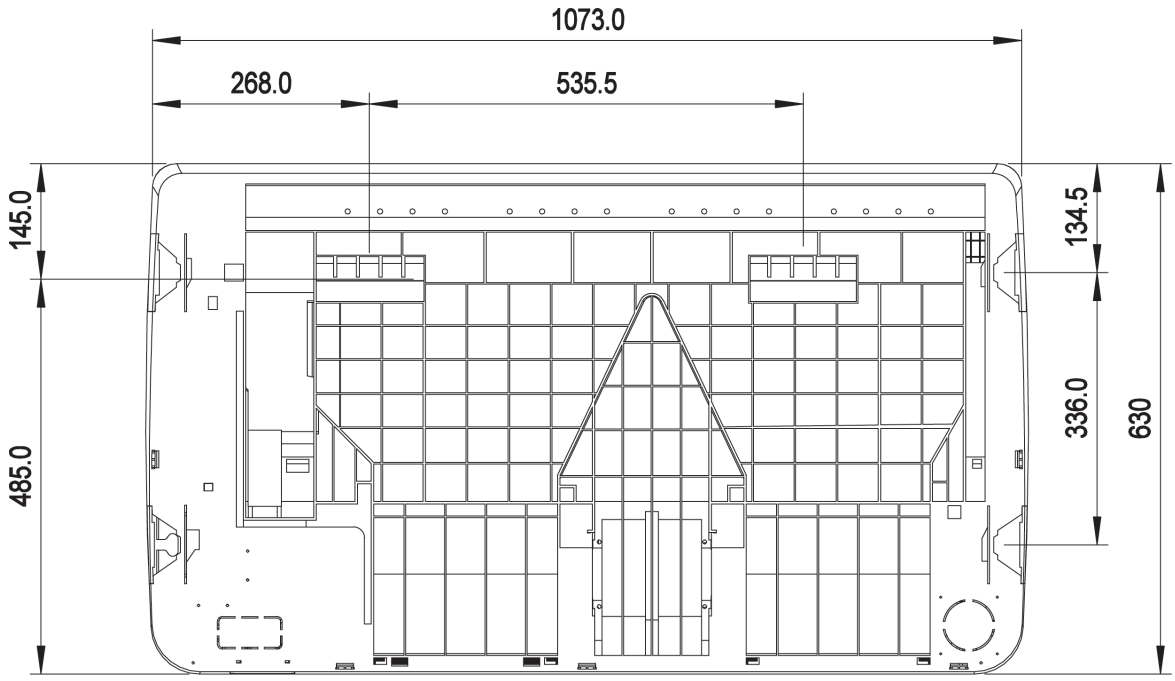
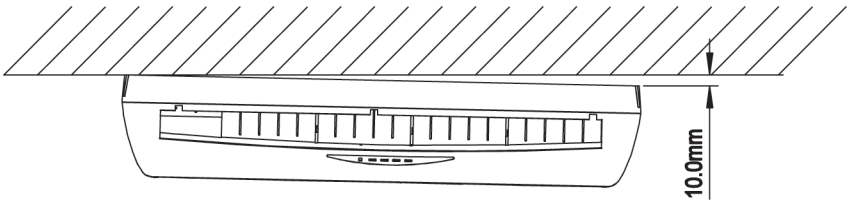


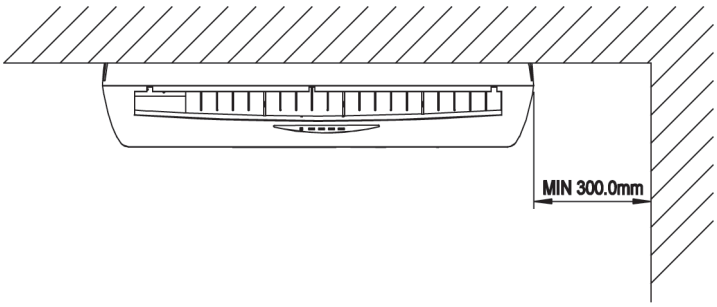
Figure A

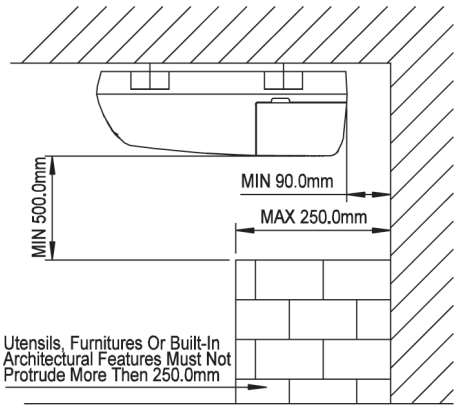
Please ensure that the following steps are taken:

- Check the gradient for drainage flow as recommended in Figure B.
- Provide clearance for easy servicing and optimal air flow as shown in Figure C.
- The indoor unit must be installed such that there is no short circuit of the cool discharge air with the warm return air.
- Don not install the indoor unit where there is direct sunlight shining on the unit. The location should be suitable for piping and drainage installation. The unit must be a large distance away from the door.

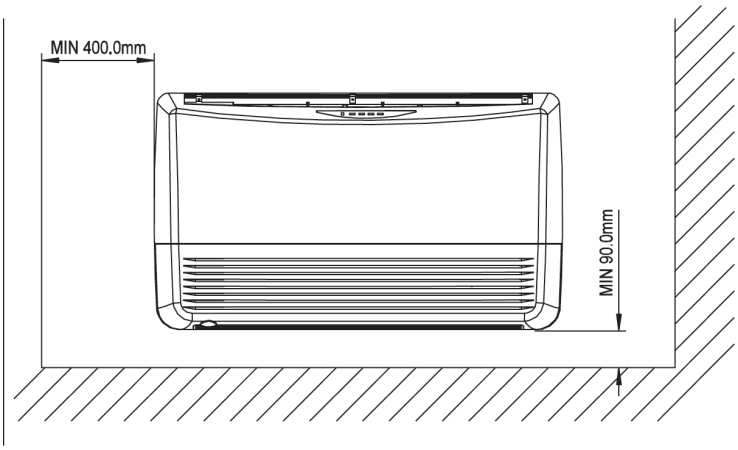


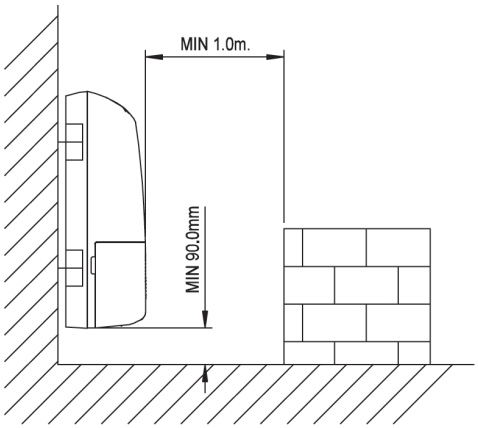
Figue B





Under ceiling type





Floor standing type

Figue C

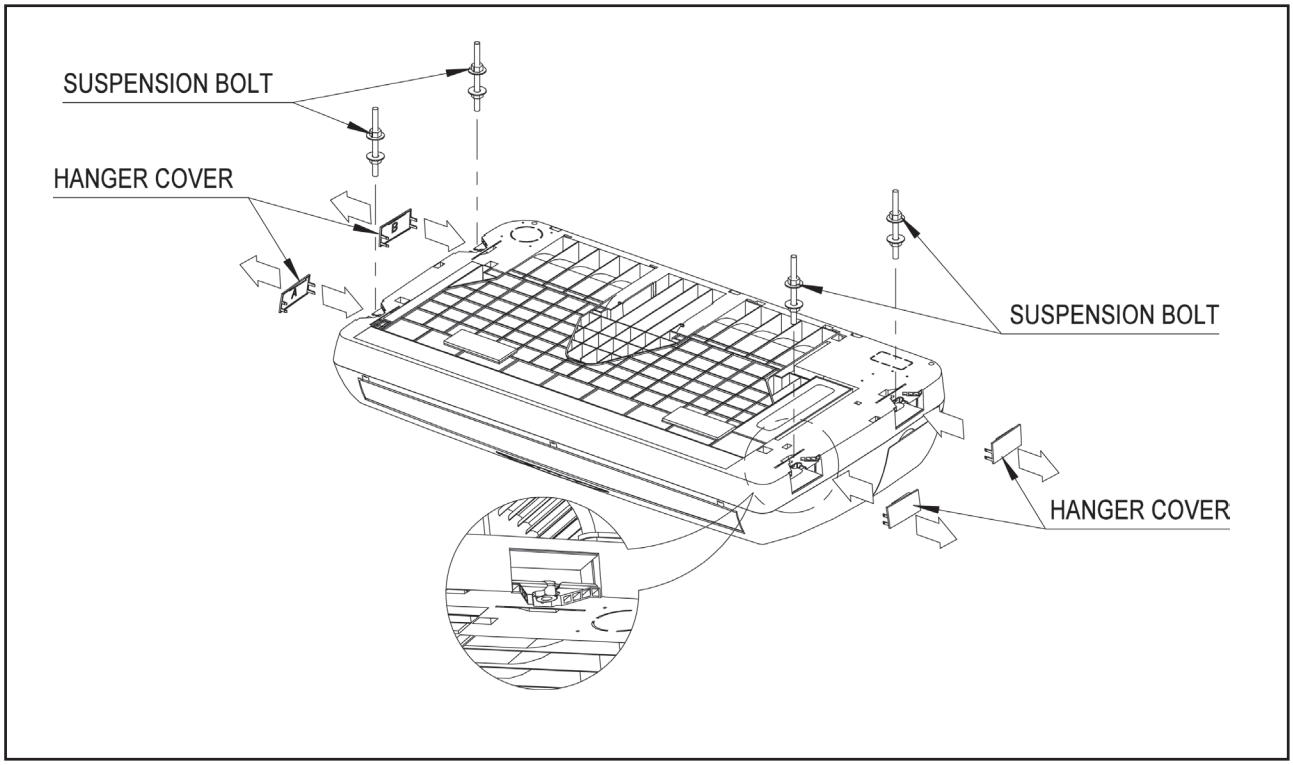
Under Ceiling Installation

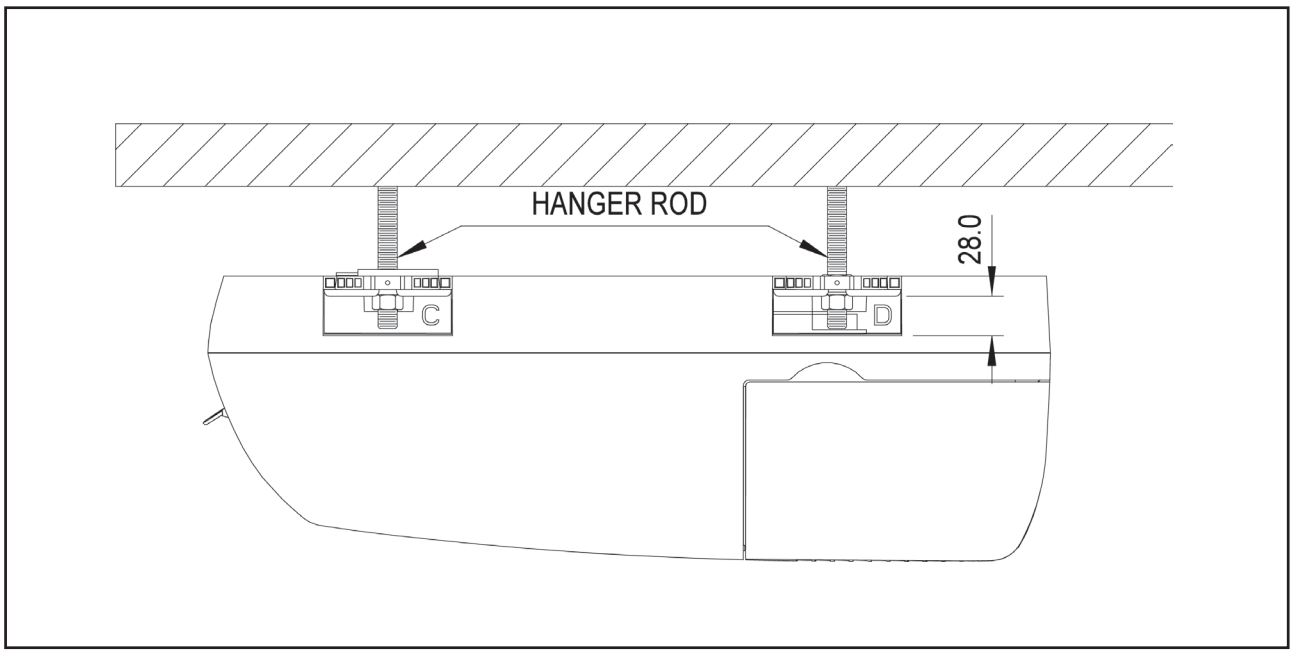
Install the Suspension Bolts

1. Install the suspension bolts so that it can support the indoor unit.
2. Adjust the distance to ceiling before installation.
3. Refer to the dimension given (Figure A) to install the unit.

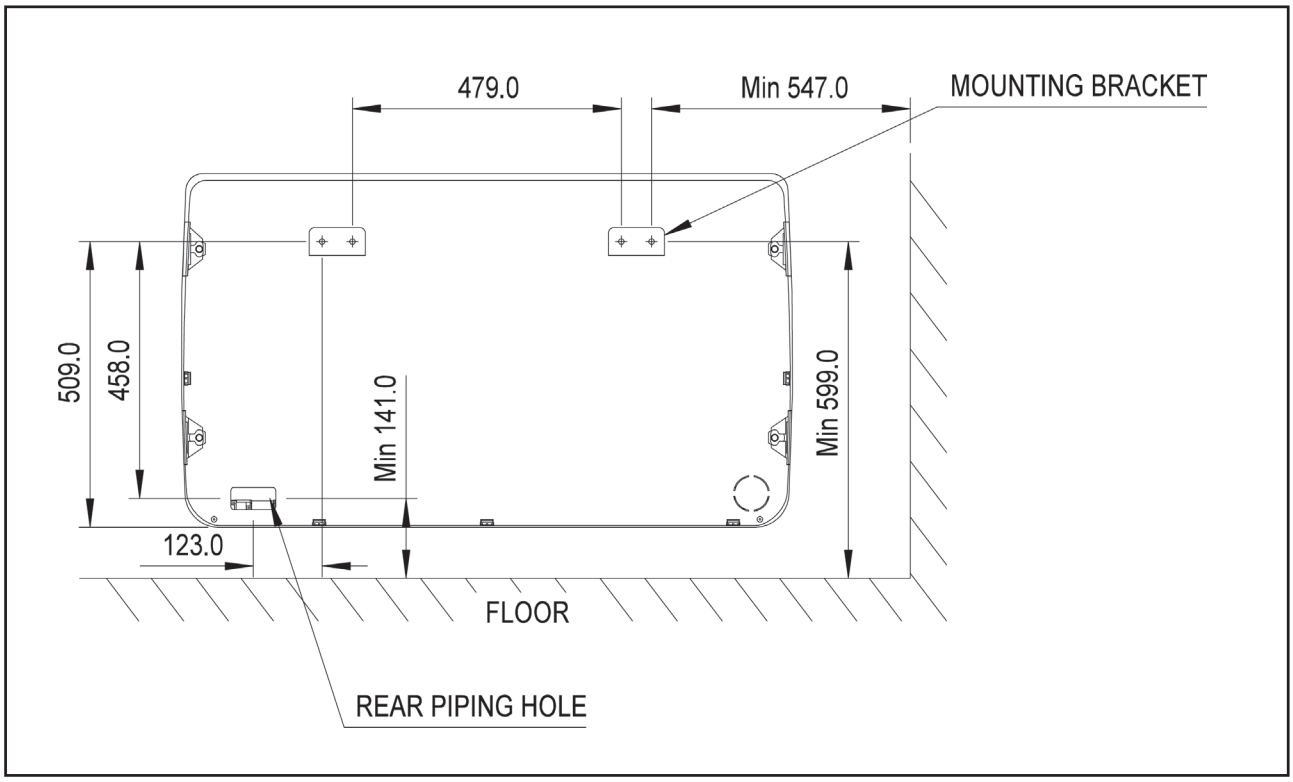
Install the Indoor Unit

1. Insert the suspension bolts into the fittings of the hanger bracket.
2. Set the nuts and washer on the both side of the metal fittings.
3. Secure it with nuts.
4. Attach the hanger cover (4 pcs) to the units.

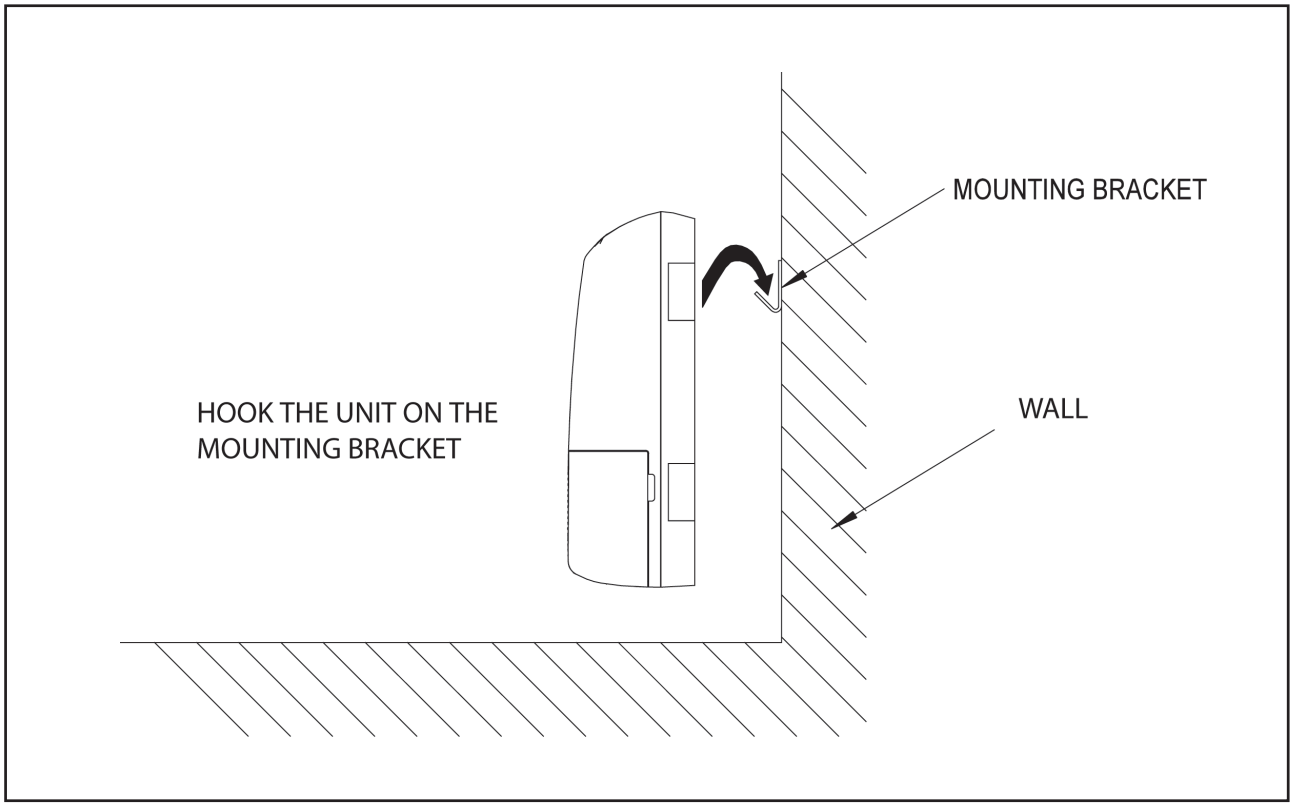




Floor standing installation



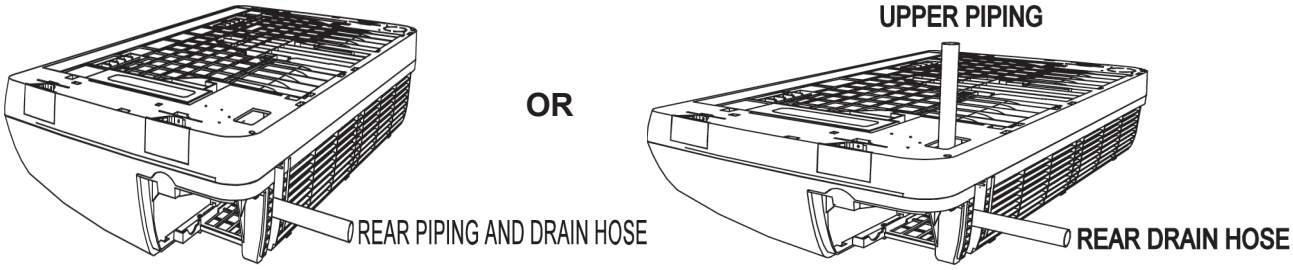
1. Refer to the dimension as illustrated when installing the mounting bracket.
2. Determine the pipe hose position using the rear piping hole. Drill the pipe hole at the slight downward slant to the outdoor side.



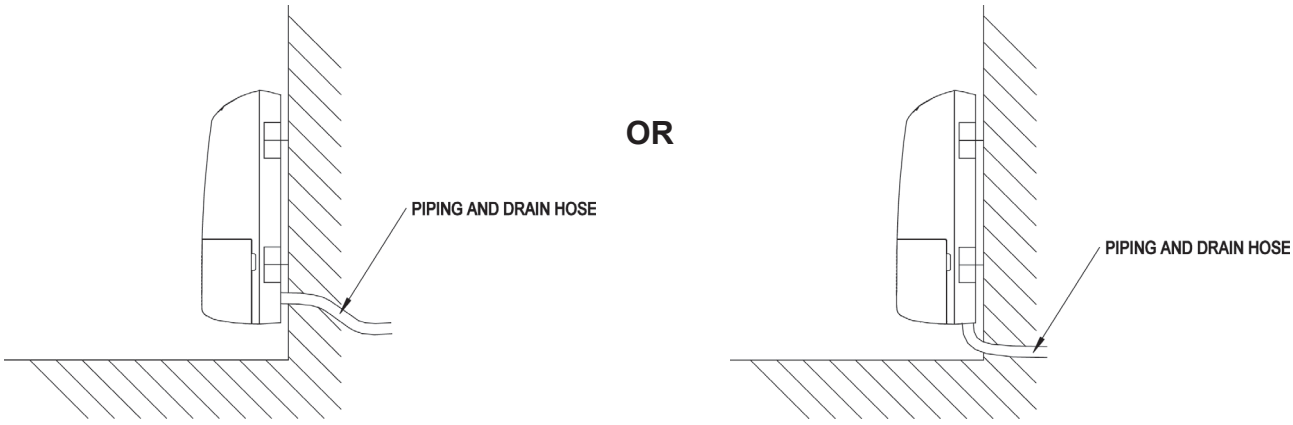
Piping and Drain Hose Installation

Under Ceiling Type

1. The piping direction can be 2 ways as illustrated.
2. The drain hose is only 1 way.

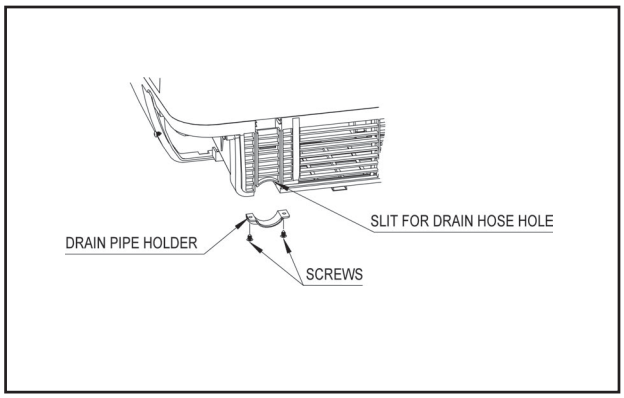


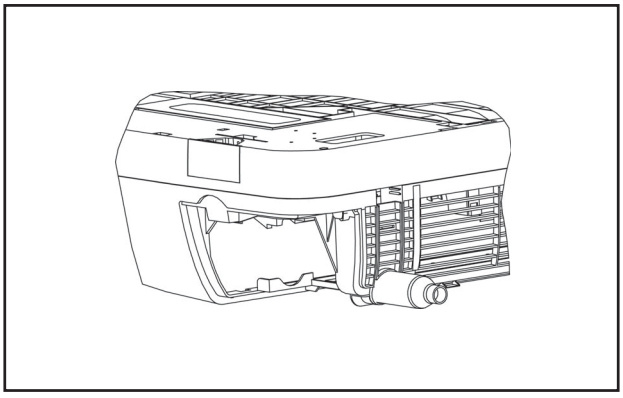
Floor standing type



How to Install the Drain Hose

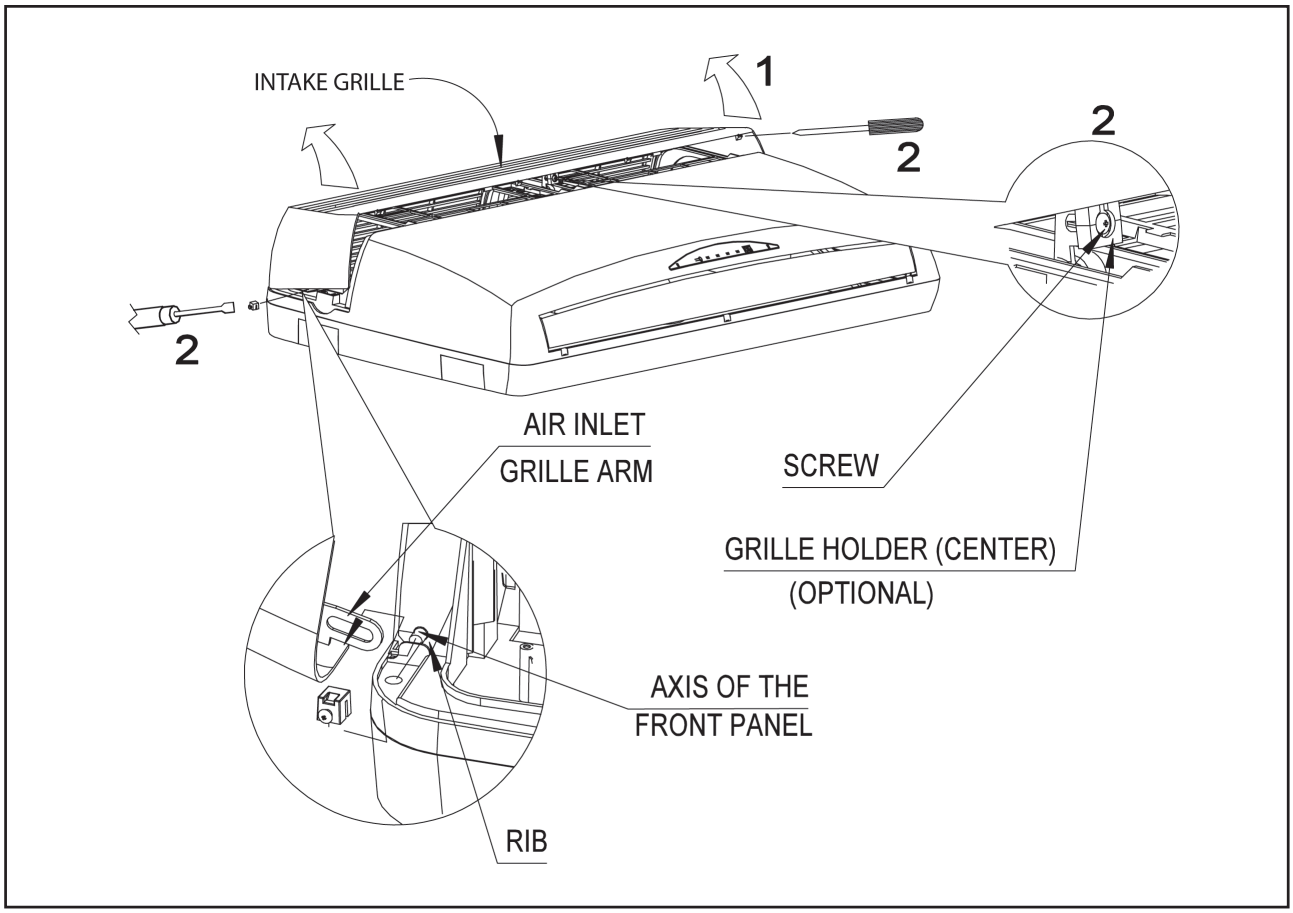
1. Remove the 2 screws and the drain pipe holder.
2. Cut a slit for the drain hose hole.
3. Place the drain hose on the v-shape area and secure it with drain pipe holder and 2 screws.

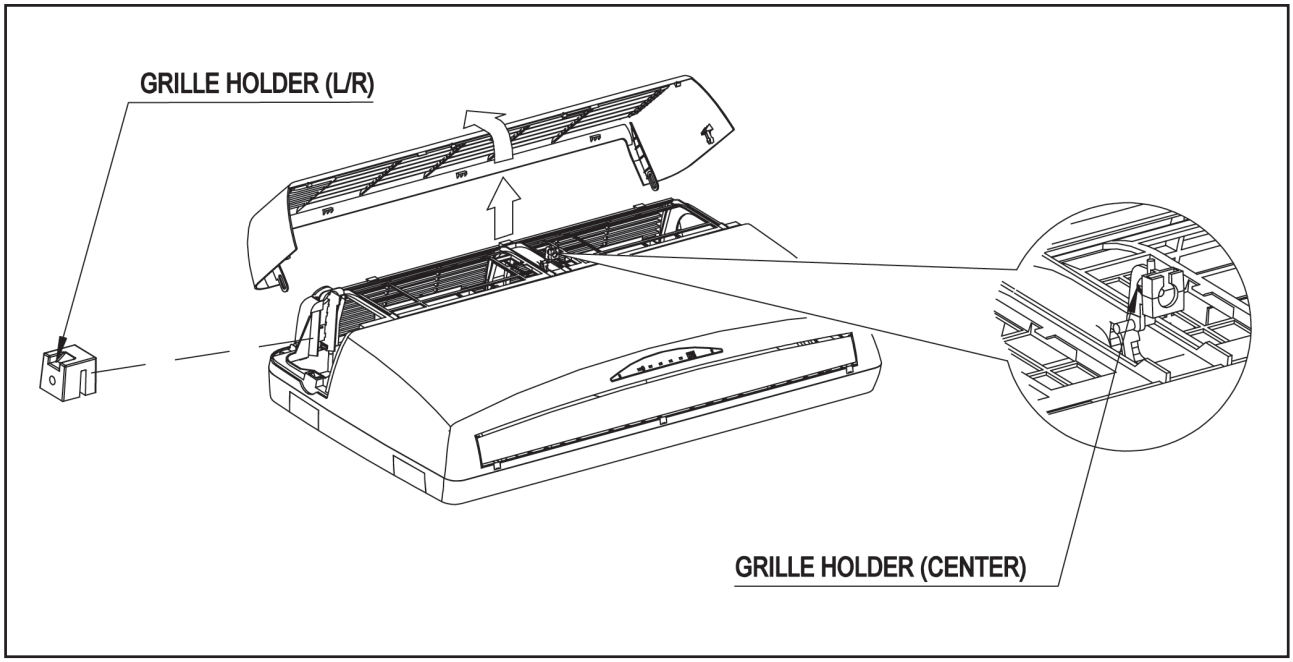




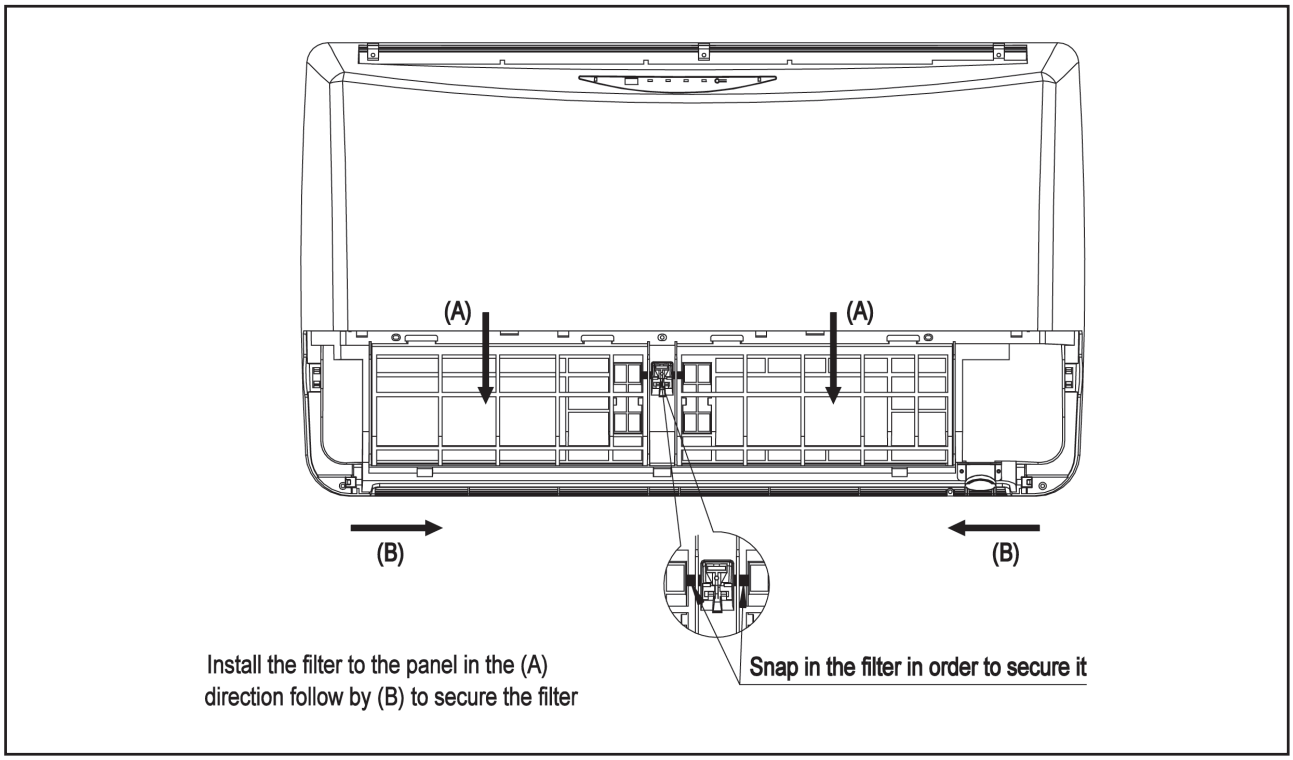
How to Remove the Air Inlet Grille

1. Remove the air inlet grille by both hands as the direction shown.
2. Loosen the screws for fixing the panel arm (3 screws - Left, Right and Center). Do not remove the screws at this time.
3. Move the air inlet grille upward, and then turn it backwards. (Do not use too much force).
4. Remove the grille holder (both left and right side). After that, remove the air intake grille.
5. Remove the grille holder (center) from the panel.



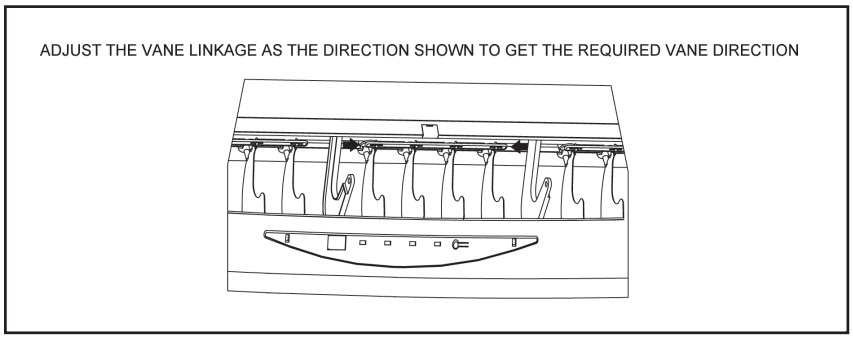


How to install the air filter

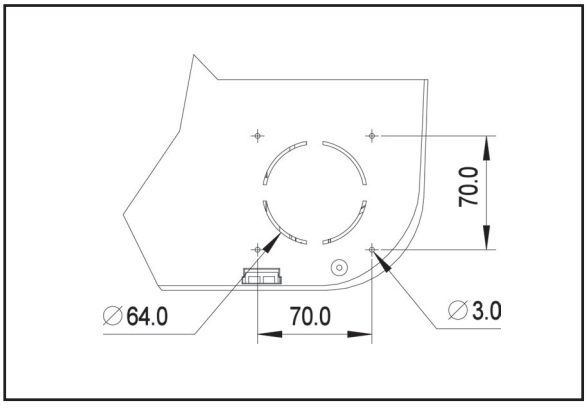

(A)
(A)
(B)
(B)
Install the filter to the panel in the (A) direction follow by (B) to secure the filter
Snap in the filter in order to secure it

To Adjust the Vane Direction

Adjust the vane linkage as the direction shown to get the required vane direction.



Dimension of the Fresh Air Intake Hole

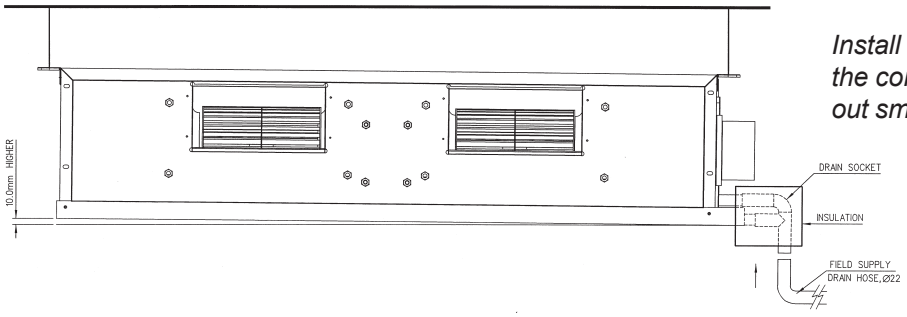


Indoor Unit

Ceiling Concealed

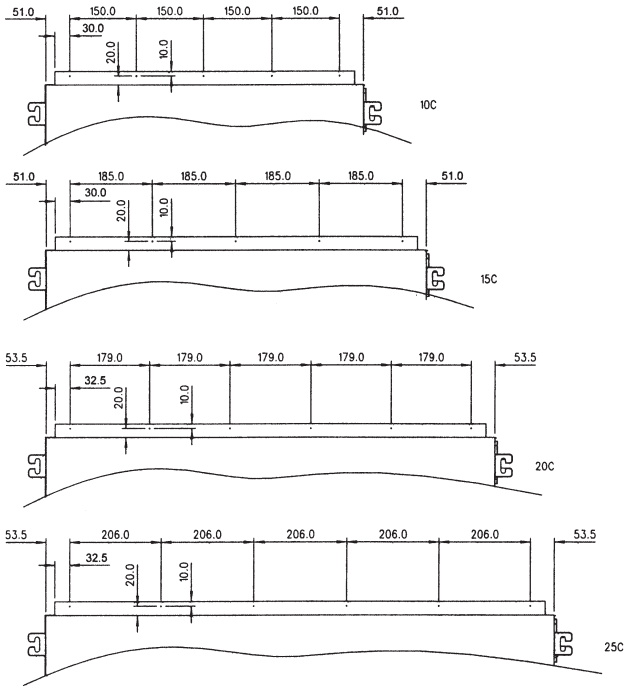
Preliminary Survey

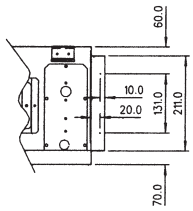
- Electrical supply and installation is to confirm to local authority's (e.g. National Electrical Board) codes and regulations.
- Voltage supply fluctuation must not exceed ± 10% of rated voltage. Electricity supply lines must be independent of welding transformers which can cause high supply fluctuation.
- Ensure that the location is convenient for wiring, piping and drainage.
- The indoor unit must be installed in such that free from any obstacles in path of cool air discharge and warm air return, and must allow spreading or air throughout the room (near the centre of the room).
- Clearance must be provided for the indoor unit from the wall and obstacles as shown in the figure.
- Use the hanger supplied with the unit.
- Ensure the support is strong enough to withstand the weight of the unit.
- Use the supplied drain socket to connect the drain pipe (the drain socket is only available for 10C/CR to 25C/CR)



Install the unit in such a way that the condensate water can flow out smoothly.

The diagrams below show the screws position for duct work connection.

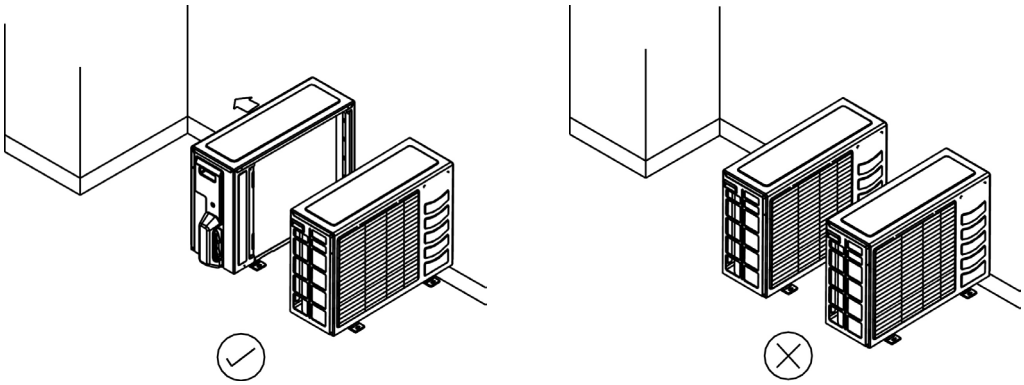




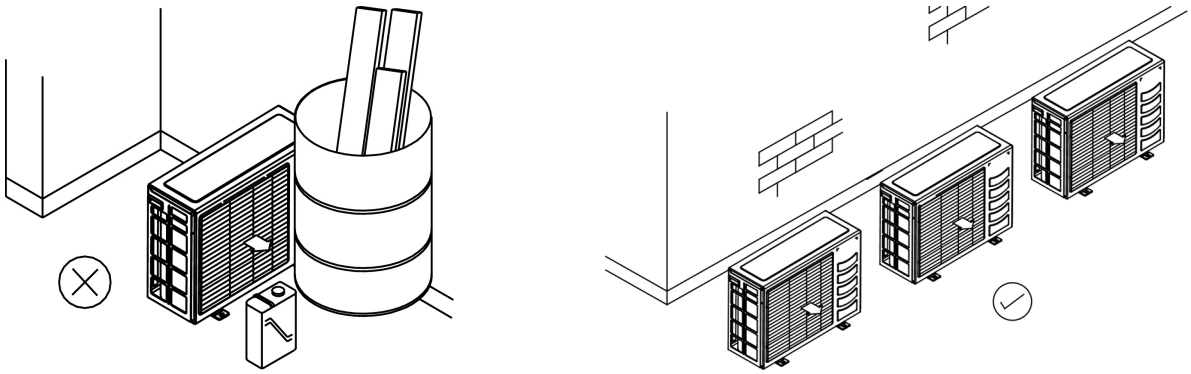
Outdoor Unit

As condensing temperature rises, evaporating temperature rises and cooling capacity drops. In order to achieve maximum cooling capacity, the location selected for outdoor unit should fulfill the following requirements:

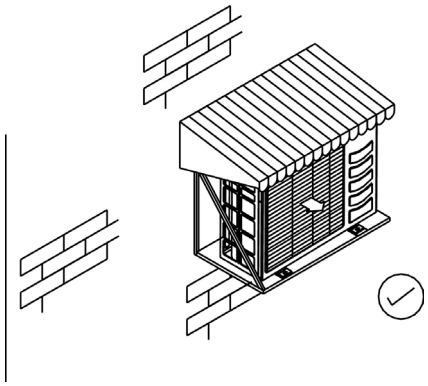
- Install the condensing (outdoor) unit in such a way that hot air distributed by the outdoor condensing unit cannot be drawn in again (as in the case of short circuit of hot discharge air). Allow sufficient space for maintenance around the unit.



- Ensure that there is no obstruction of air flow into or out of the unit. Remove obstacles which block air intake or discharge.
- The location must be well ventilated, so that the unit can draw in and distribute plenty of air thus lowering the condensing temperature.



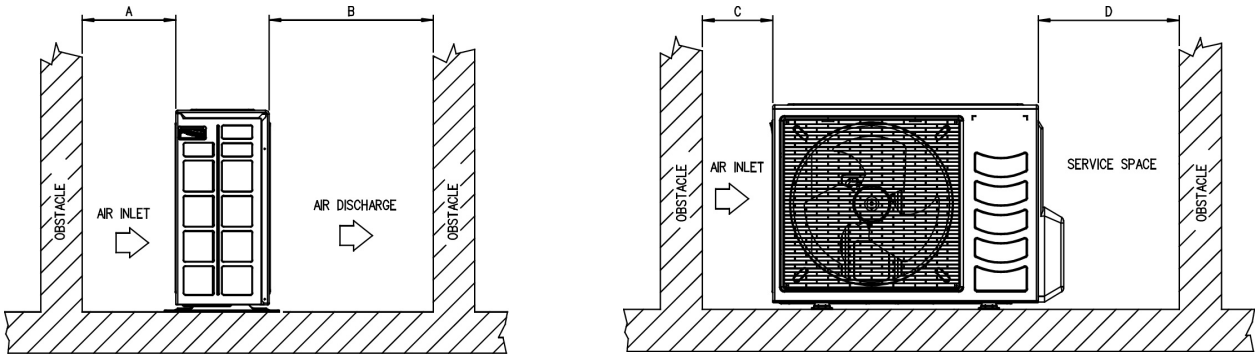
- A place capable of bearing the weight of the outdoor unit and isolating noise and vibration.
- A place protected from direct sunlight. Otherwise use an awning for protection, if necessary.



- The location must not be susceptible to dust or oil mist.

6. Installation Clearances

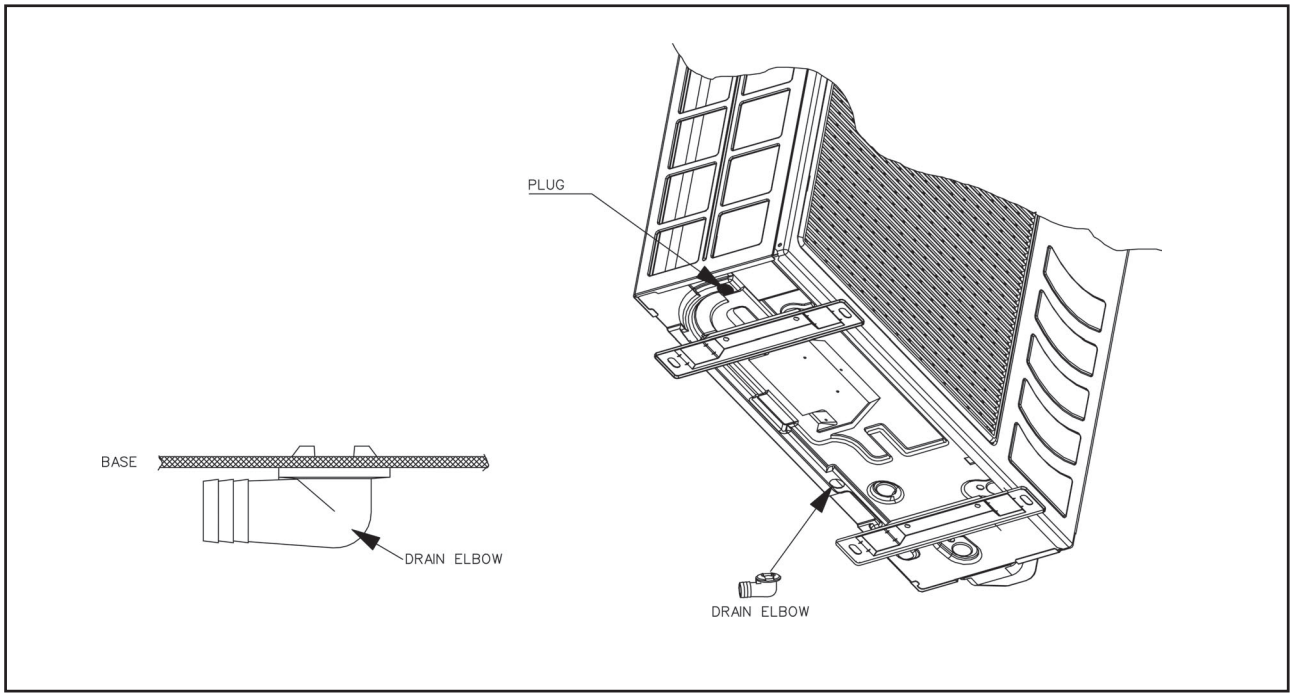
- Outdoor units must be installed such that there is no short circuit of the hot discharge air or obstruction to smooth air flow. Select the coolest possible place where intake air should not be hotter than the outside temperature.

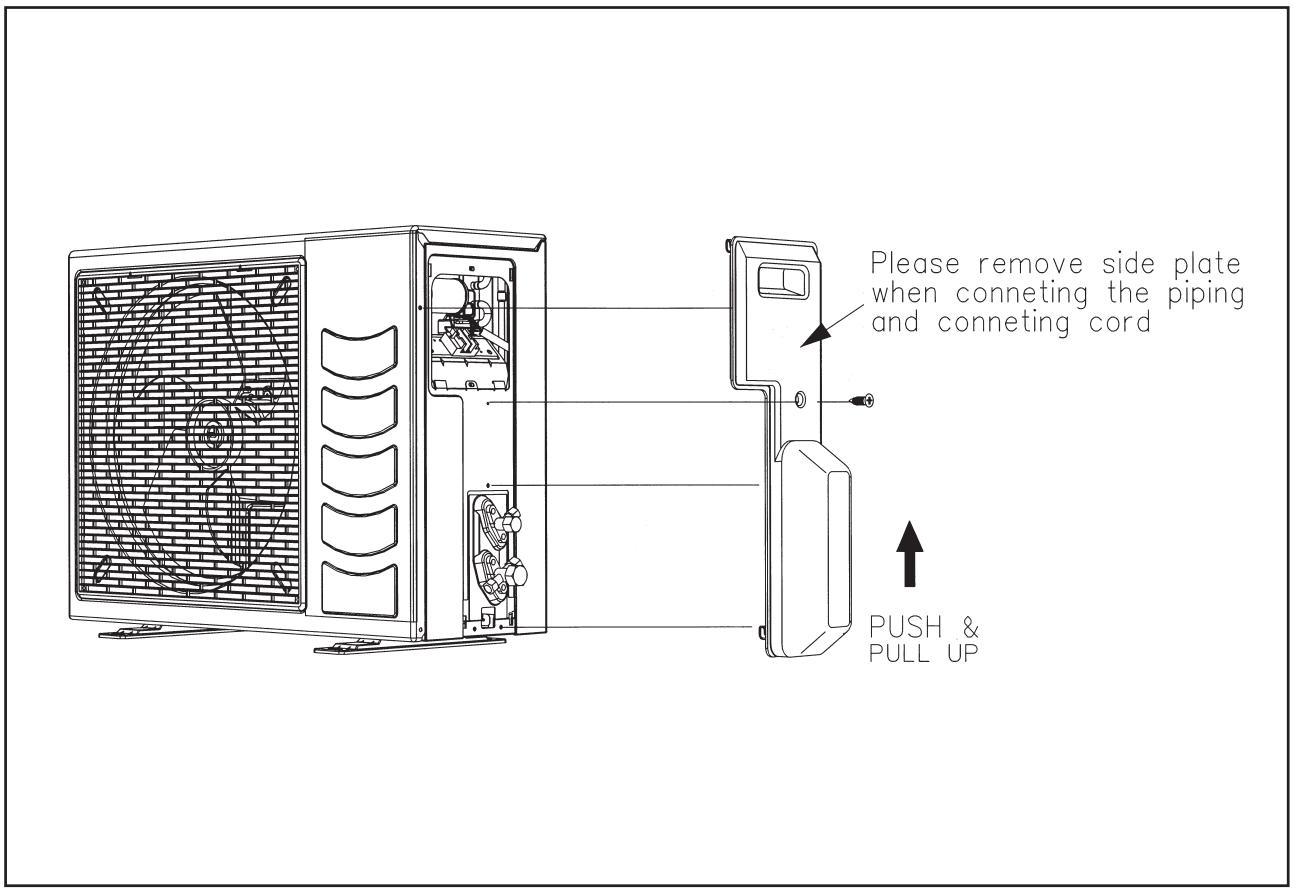


Dimension	A	B	C	D
Minimum distance, mm/in	300/11.8	1000/39.4	300/11.8	500/19.7

7. Condensed Water Disposal Of Outdoor Unit (Heat Pump Unit Only)

- There are 2 holes on the base of Outdoor Unit for condensed water to flow out. Insert the drain elbow to one of the holes.
- To install the drain elbow, first insert one portion of the hook to the base (portion A), then pull the drain elbow in the direction shown by the arrow while inserting the other portion to the base. After the installation, check to ensure that the drain elbow clings to base firmly.
- If the unit is installed in a snowy and chilly area, condensed water may freeze in the base. In such a case, please remove plug at the bottom of unit to smooth the drainage.

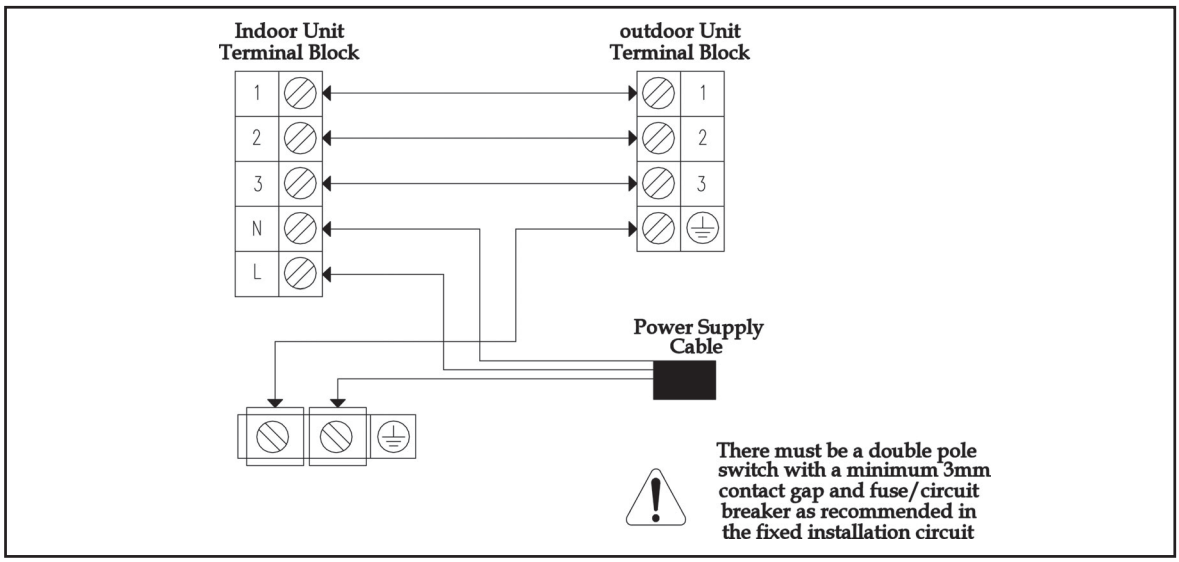




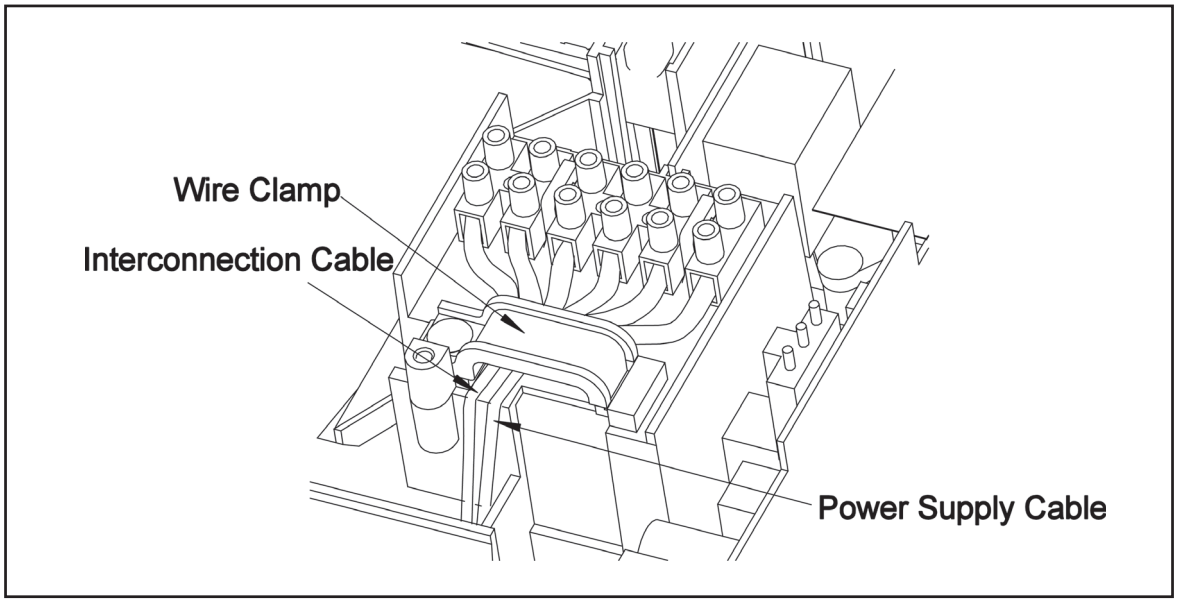
8. Wiring

Important: The figures shown in the table are for information purpose only. They should be checked and selected to comply with the local/national codes of regulations. This is also subject to the type of installation and conductors used.

Model	M5LCX 010/015C/CR	M5LCX 020/025C/CR
Voltage range	220V-240V / 1 Ph / 50Hz + ⏚	
Power supply cable size (mm^2)	1.5	2.5
Number of wire	3	3
Interconnection cable size (mm^2)	1.5	2.5
Number of wire	3	3
Recommended time delay fuse (A)	15	20

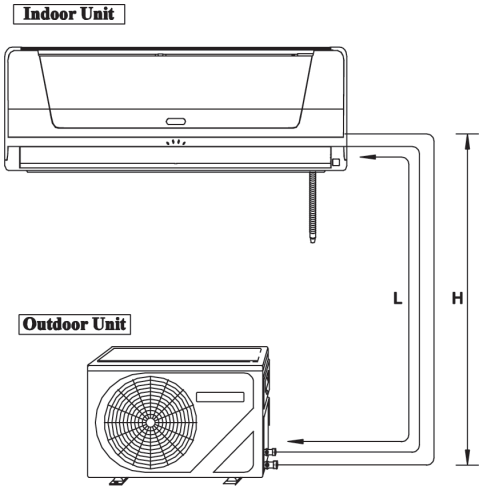


- All wires must be firmly connected
- All wires must not touch the refrigerant piping, compressor or any moving parts of the fan motor.
- The connecting wires between the indoor unit and the outdoor unit must be clamped on the wire clamps as shown in the figure.
- The power supply cord must be equivalent to H05RN-F (245IEC57) which is the minimum requirement.



9. Refrigerant Piping

A) Maximum Pipe Length and Maximum Number of Bends



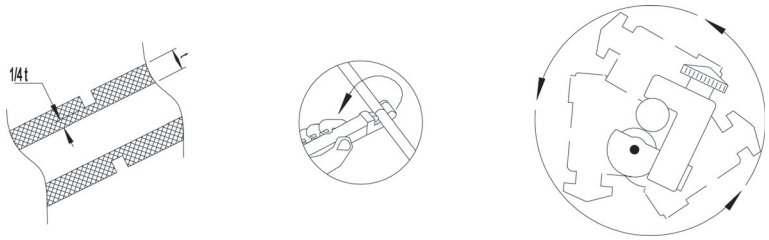
Always choose the shortest path for refrigerant piping and follow the recommendation as tabulated below:

Model	M5LCX 010C/CR	M5LCX 015C/CR	M5LCX 020C/CR	M5LCX 025C/CR
Maximum length, L (m/ft)	15/49	15/49	30/98	30/98
Max. elevation, H (m/ft)	5/16.4	5/16.4	8/26.2	8/26.2
Max. number of 90° bends	10	10	10	10
Liquid pipe size	¼"	¼"	¼"	¼"
Gas pipe size	$^{3}/_{8}$"	½"	½"	$^{5}/_{8}$"

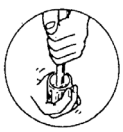
Remarks: The refrigerant pre-charged in the outdoor unit is for piping length up to 7.62m/25ft.

B) Flare Connection

- Cut the pipe stages by stages, advancing the blade of pipe cutter slowly.

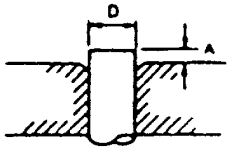


- Remove burr with the burr remover. Hold the flaring end down to prevent burrs from dropping inside pipe.



- The exact length of pipe protruding from the face of the flare die is determined by the flaring tool. The table shows the use of an imperial die and rigid die.

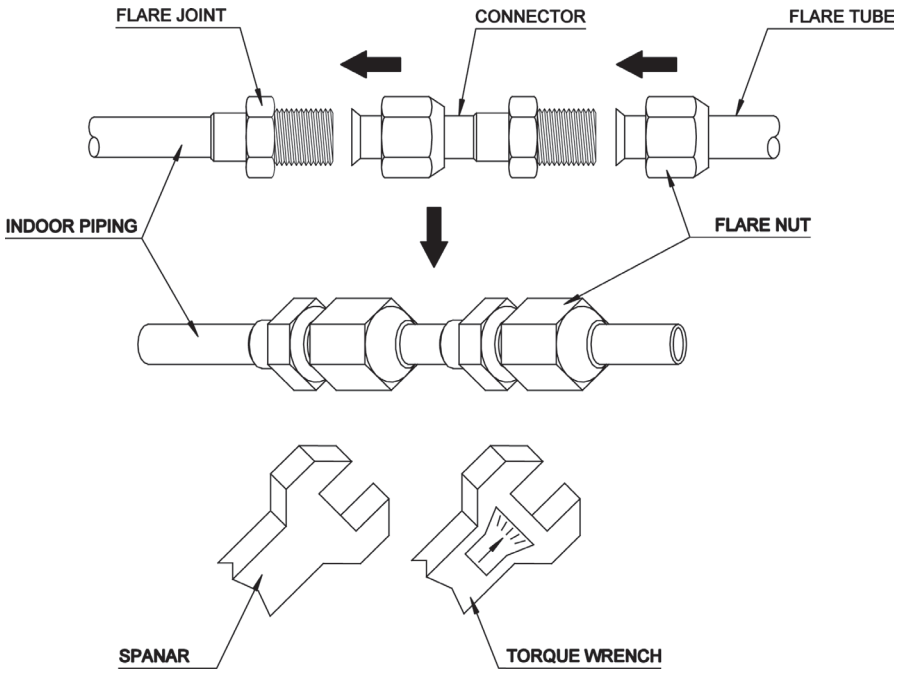
Pipe ∅, D (mm/in)	A (mm)	
	Imperial	Rigid
6.35 / 1/4”	1.3	0.7
9.52 / 3/8”	1.6	1.0
12.70 / 1/2”	1.9	1.3
15.88 / 5/8”	2.2	1.7
19.05 / 3/4”	2.5	2.0



Fix the pipe firmly on the flare die. Match the centers of both the flare die and the flaring punch, and tighten flaring punch fully.

C) Piping Connection To The Units

- Align the center of the piping and tighten the flare nut sufficiently with fingers
- Finally, tighten the flare nut with the torque wrench until the wrench clicks.



10. Special Precaution For R410A

Special precautions when dealing with refrigerant R410A unit

1) What is new refrigerant R410A?

R410A is a new HFC refrigerant which does not damage the ozone layer. The working pressure of this new refrigerant is 1.6 times higher than conventional refrigerant (R22), thus proper installation / servicing is essential.

2) Components

Mixture weight composition R32(50%) and R125(50%)

3) Characteristic

- R410A liquid and vapor components have different compositions when the fluid evaporates or condenses. Hence, when leak occurs and only vapor leaks out, the composition of the refrigerant mixture left in the system will change and subsequently affect the system performance. **DO NOT** add new refrigerant to leaked system. It is recommended that the system should be evacuated thoroughly before recharging with R410A.
- When refrigerant R410A is used, the composition will differ depending on whether it is in gaseous or liquid phase. Hence when charging R410A, ensure that only liquid is being withdrawn from the cylinder or can. This is to make certain that only original composition of R410A is being charged into the system.
- POE oil is used as lubricant for R410A compressor, which is different from the mineral oil used for R22 compressor. Extra precaution must be taken not to expose the R410A system too long to moist air.

4) Check list before installation/servicing

- Tubing
  Refrigerant R410A is more easily affected by dust of moisture compared with R22, make sure to temporarily cover the ends of the tubing prior to installation
- Compressor oil
  No additional charge of compressor oil is permitted.
- Refrigerant
  No other refrigerant other that R410A
- Tools (size of service port is different from R22 system)
  Tools specifically for R410A only (must not be used for R22 or other refrigerant)
  i) Manifold gauge and charging hose
  ii) Gas leak detector
  iii) Refrigerant cylinder/charging cylinder
  iv) Vacuum pump c/w adapter
  v) Flare tools
  vi) Refrigerant recovery machine

5) Handling and installation guidelines

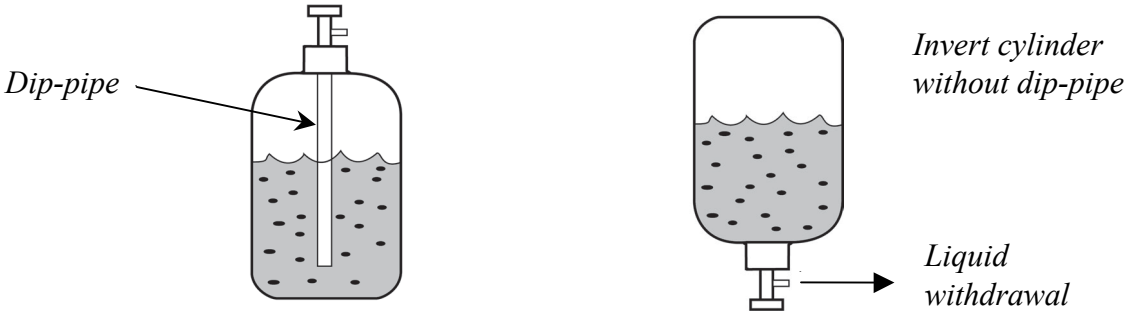
Like R22 system, the handling and installation of R410A system are closely similar. All precautionary measures; such as ensuring no moisture, no dirt or chips in the system, clean brazing using nitrogen, and thorough leak check and vacuuming are equally important requirements. However, due to its hydroscopic POE oil, additional precautions must be taken to ensure optimum and trouble free system operation.

a) During installation or servicing, avoid prolong exposure of the internal part of the refrigerant system to moist air. Residual POE oil in the piping and components can absorb moisture from the air.

b) Ensure that the compressor is not expose to open air for more than the recommended time specified by its manufacturer (typically less than 10 minutes). Removed the seal plugs only when the compressor is about to be brazed.

c) The system should be thoroughly vacuumed to 1.0 Pa (700mmHg) or lower. This vacuuming level is more stringent than R22 system so as to ensure no incompressible gas and moisture in the system.

d) When charging R410A, ensure that only liquid is being withdrawn from the cylinder or can. This is to ensure that only the original composition of R410A is being delivered into the system. The liquid composition can be different from the vapor composition.



f) Normally, the R410A cylinder or can is being equipped with a dip pipe for liquid withdrawal. However, if the dip pipe is not available, invert the cylinder or can so as to withdraw liquid from the valve at the bottom.

11. Vacuuming And Charging

Purging the piping and the indoor unit

Except for the outdoor unit which is pre-charged with refrigerant, the indoor unit and the refrigerant connection pipes must be air-purged because the air containing moisture that remains in the refrigerant cycle may cause malfunction of the compressor.

- Remove the caps from the valve and the service port.
- Connect the center of the charging gauge to the vacuum pump.
- Connect the charging gauge to the service port of the 3-way valve.
- Start the vacuum pump. Evacuate for approximately 30 minutes. The evacuation time varies with different vacuum pump capacity. Confirm that the charging gauge needle has moved towards -760mmHg.

Caution

- If the gauge needle does not move to -760mmHg, be sure to check for gas leaks (using the refrigerant detector) at flare type connection of the indoor and outdoor unit and repair the leak before proceeding to the next step.
- Close the valve of the charging gauge and stop the vacuum pump.
- On the outdoor unit, open the suction valve (3 way) and liquid valve (2 way) (in anti-clockwise direction) with 4mm key for hexagon sacked screw.

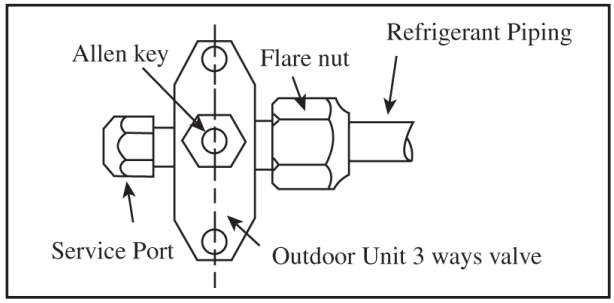
Additional charge

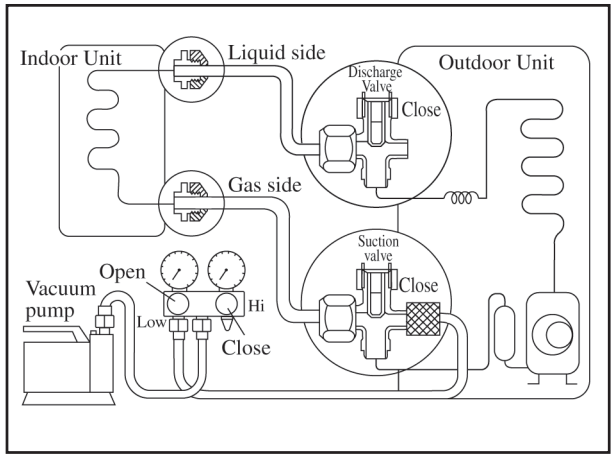
The refrigerant is pre-charged in the outdoor unit. If the piping length is less than 7.62m (25ft), then additional charge after vacuuming is not necessary. If the piping length is more than 7.62m (25ft), then use the additional charge value as indicated in the table.

Charge operation

This operation must be done by using a gas cylinder and a precise weighing machine. The additional charge is toppedup into the outdoor unit using the suction valve via the service port.

- Remove the service port cap.
- Connect the low pressure side of the charging gauge to the suction service port center of the cylinder tank and close the high pressure side of the gauge. Purge the air from the service hose.
- Start the air conditioner unit.
- Open the gas cylinder and low pressure charging valve.
- When the required refrigerant quantity is pumped into the unit, close the low pressure side and the gas cylinder valve.
- Disconnect the service hose from service port. Put back the service port cap.

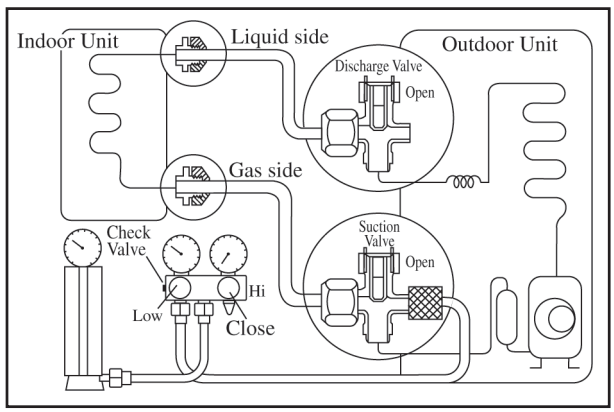




Additional charge per meter

MODEL	R410A
M5LCX 010/015/020/025C/CR	19.5 g/m

The additional refrigerant charge amount recommended is a guideline for long piping application. The actual charge required may be different from the guideline due to different application and variation in site condition.



Servicing And Maintenance

Warning

- Disconnect from the main power supply before servicing the air conditioner unit.
- DO NOT pull out the power cord when the power is ON. This may cause serious electrical shocks which may result in fire hazards.

Service Parts	Maintenance Procedures	Period
Indoor Air Filters	1.Remove any dust adhering to the filter by using a vacuum cleaner or wash in lukewarm water (below 40ºC/104ºF) with a neutral cleaning detergent. 2.Rinse the filter well and dry before placing it back onto the unit. 3.Do not use gasoline, volatile substances or chemicals to clean the filter	At least once every 2 weeks. More frequently if necessary.
Indoor Unit	1.Clean any dirt or dust on the grille or panel by wiping it with a soft cloth soaked in lukewarm water (below 40ºC/104ºF) and a neutral detergent solution. 2.Do not use gasoline, volatile substances or chemicals to clean the indoor unit.	At least once every 2 weeks. More frequently if necessary.
Condensate Drain Pan and Pipe	1.Check and clean.	Every 3 months.
Indoor Fan	1.Check for unusual noise.	As necessary
Indoor/Outdoor Coil	1.Check and remove dirt which is clogged between fins. 2.Check and remove obstacles which hinder air flow in and out of indoor/outdoor unit.	Every month. Every month.
Electrical	1.Check voltage, current and wiring. 2.Check faulty contacts caused by loose connections, foreign matters, etc.	Every 2 months Every 2 months
Compressor	1.No maintenance needed if refrigerant circuit remains sealed. However, check for refrigerant leak at joints and fittings.	Every 6 months.
Compressor Lubrication	1.Oil is factory charged. Not necessary to add oil if circuit remains sealed.	No maintenance required.
Fan Motors Lubrication	1.All motors pre-lubricated and sealed at factory.	No maintenance required.

Troubleshooting

When a malfunction of the air conditioner unit is detected, immediately switch off the main power supply before proceeding with the following troubleshooting procedures.
The following are common fault conditions and simple troubleshooting tips. If any other fault conditions which are not listed occur, contact your nearest local dealer. DO NOT attempt to troubleshoot the unit by yourself.

No	Fault conditions	Possible causes / corrective actions
1	The air conditioner unit will not resume after power failure.	• The auto restart function is not functioning. Please turn on the unit with the wireless / wired controller.
2	The compressor does not operate 3 minutes after the air conditioner unit is started.	• Protection against frequent starting. • Wait for 3 or 4 minutes for the compressor to start operating by it self.
3	The airflow is too slow or room cannot be cooled sufficiently.	• The air filter is dirty. • The doors and windows are opened. • The air suction and discharge of both indoor and outdoor units are clogged or blocked. • The regulated temperature or temperature setting is not low enough.
4	Discharge airflow has bad odor.	• Cigarettes, smoke particles, perfume and others, which might have adhered onto the coil, may cause odor. • Contact your nearest dealer.
5	Condensation on the front air grille of the indoor unit.	• This is caused by air humidity after an extended period of operation. • The set temperature is too low. Increase the temperature setting and operate the unit at high fan speed.
6	Water flowing out from the air conditioner.	• Switch off the unit and contact your nearest dealer. This might be due to tilted installation.
7	Hissing airflow sound from the air conditioner unit during operation.	• Liquid refrigerant flowing into the evaporator coil.
8	The wireless controller display is dim.	• The batteries are discharged. • The batteries are not correctly inserted. • The assembly is not good.
9	Compressor operates continuously.	• Dirty air filter. Clean the air filter. • Temperature setting too low (cooling). Use higher temperature setting. • Temperature setting too high (heating), Use lower temperature setting.
10	No cool air comes out during cooling cycle, or no hot air comes out during heating cycle.	• Temperature setting too high (cooling). Use lower temperature setting. • Temperature setting too low (heating). Use higher temperature setting.
11	On heating cycle, warm air does not come out.	• Unit is in defrost mode. Heating operation will resume after defrost cycle ends.

Diagnostic Guidelines

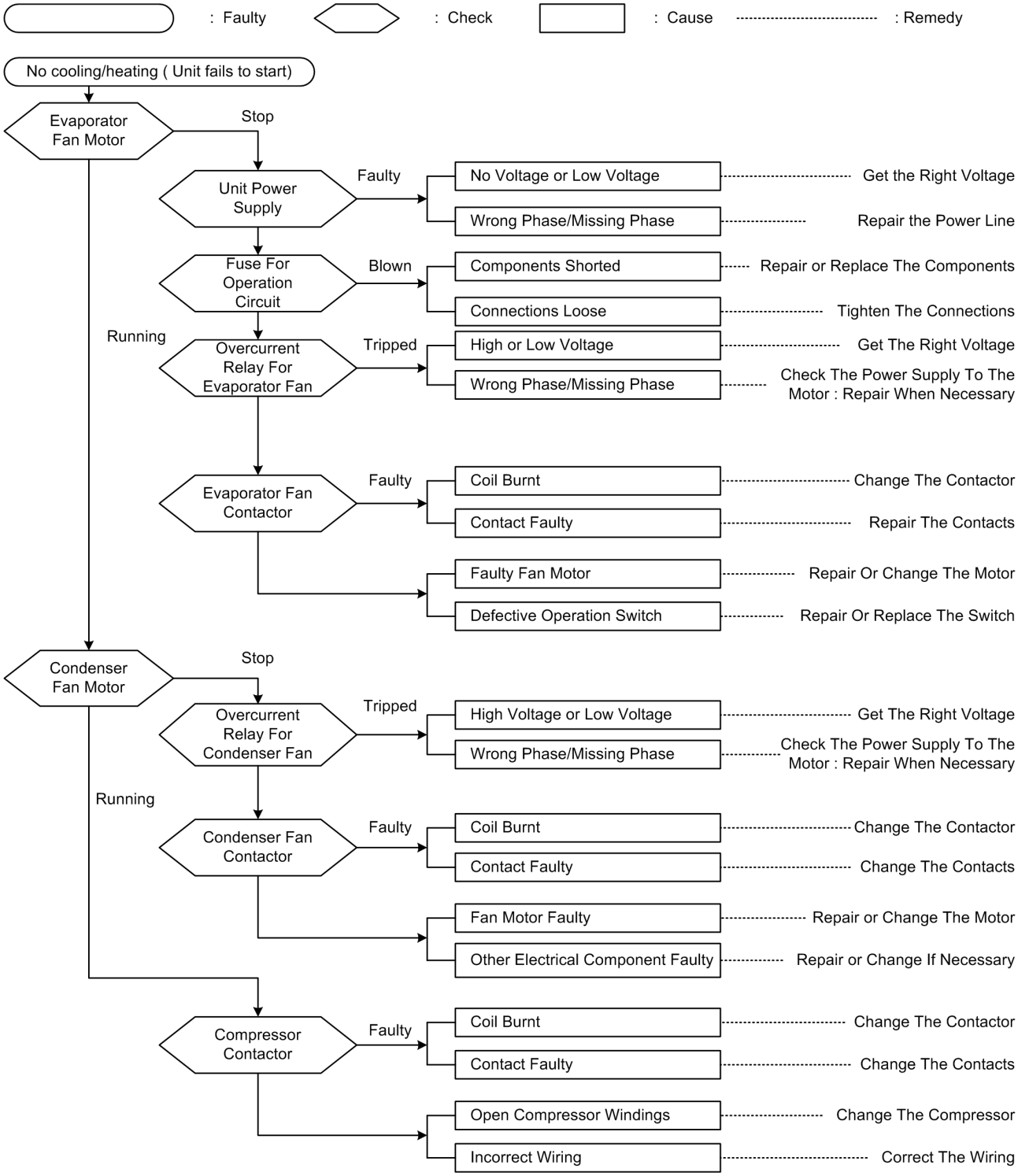
By means of pressure reading:

Data / Circuit	Pressure					Probable cause
	Too low	A little low	Normal	A little high	Too high	
High side **Low side**					● ●	1. Overcharged with refrigerant. 2. Non-condensable gases in refrigerant circuit (e.g. air) 3. Obstructed air-intake / discharge. 4. Hot air short circuiting in outdoor unit.
High side **Low side**	●				●	1. Poor compression / no compression (compressor defective) 2. Reversing valve leaking.
High side **Low side**	●	●				1. Undercharged with refrigerant. 2. Refrigerant leakage. 3. Air filter clogged / dirty (indoor unit). 4. Indoor fan locked / seized. 5. Defective defrost control, outdoor coil freeze up (heating). 6. Outdoor fan locked / seized (heating).
High side **Low side**				●	●	1. Outdoor fan blocked (cooling). 2. Outdoor coil dirty (cooling). 3. Indoor fan locked / seized (heating). 4. Indoor air filter clogged / dirty (heating). 5. Non-condensable gases in refrigerant circuit (e.g. air)
High side **Low side**				●	●	1. Air intake temperature of indoor unit too high.

By means of diagnostic flow chart:

Generally, there are two kinds of problems, i.e. starting failure and insufficient cooling/heating. “Starting failure” is caused by electrical defect while improper application or defects in refrigerant circuit causes “Insufficient cooling / heating”.

i) Diagnosis of Electric Circuit

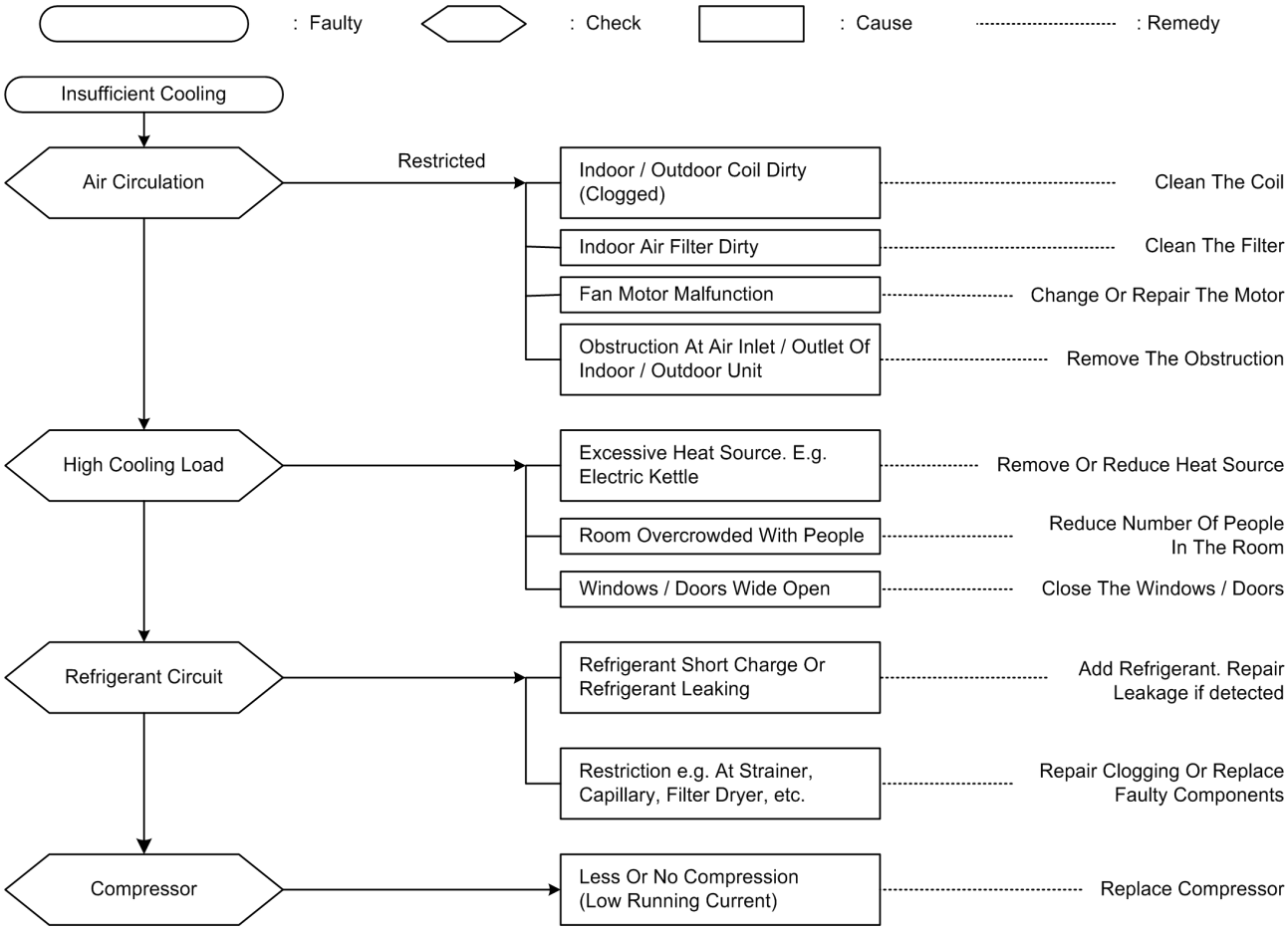


The most common causes of air conditioner failure to “start” are :

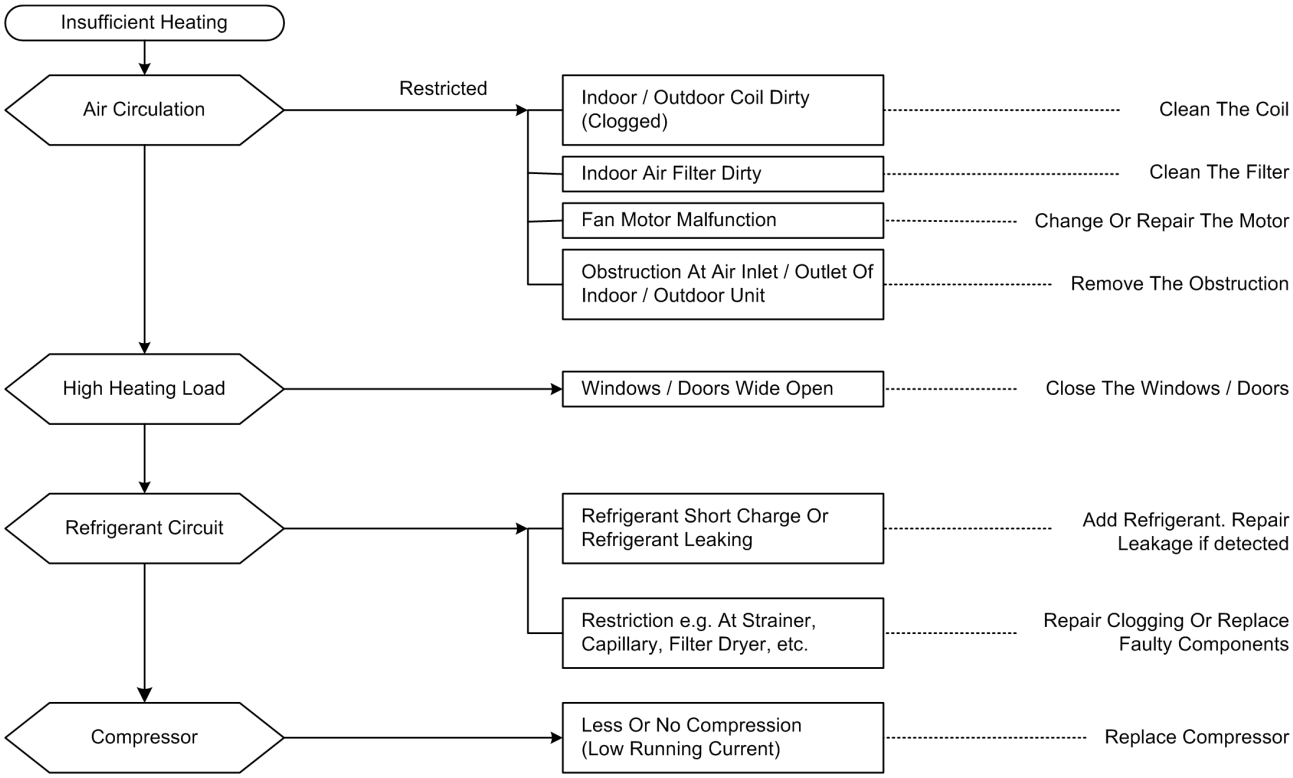
a) Voltage not within ±10% of rated voltage.
b) Power supply interrupted.
c) Improper control settings.
d) Air conditioner is disconnected from main power source.
e) Fuse blown or circuit breaker off.

ii) Diagnosis of Refrigerant Circuit / Application

There might be some causes where the unit starts running but does not perform satisfactorily, i.e. insufficient cooling. Judgement could be made by measuring temperature difference of indoor unit's intake and discharge air as well as running current.


: Faulty
: Check
: Cause
: Remedy
Insufficient Cooling
Air Circulation
Restricted
Indoor / Outdoor Coil Dirty (Clogged)
Clean The Coil
Indoor Air Filter Dirty
Clean The Filter
Fan Motor Malfunction
Change Or Repair The Motor
Obstruction At Air Inlet / Outlet Of Indoor / Outdoor Unit
Remove The Obstruction
High Cooling Load
Excessive Heat Source. E.g. Electric Kettle
Remove Or Reduce Heat Source
Room Overcrowded With People
Reduce Number Of People In The Room
Windows / Doors Wide Open
Close The Windows / Doors
Refrigerant Circuit
Refrigerant Short Charge Or Refrigerant Leaking
Add Refrigerant. Repair Leakage if detected
Restriction e.g. At Strainer, Capillary, Filter Dryer, etc.
Repair Clogging Or Replace Faulty Components
Compressor
Less Or No Compression (Low Running Current)
Replace Compressor

Satisfactory operation with temperature difference of air intake & discharge of indoor unit 8°C to 13°C. *
(* value is for reference only)


Insufficient Heating
Air Circulation
Restricted
Indoor / Outdoor Coil Dirty (Clogged)
Clean The Coil
Indoor Air Filter Dirty
Clean The Filter
Fan Motor Malfunction
Change Or Repair The Motor
Obstruction At Air Inlet / Outlet Of Indoor / Outdoor Unit
Remove The Obstruction
High Heating Load
Windows / Doors Wide Open
Close The Windows / Doors
Refrigerant Circuit
Refrigerant Short Charge Or Refrigerant Leaking
Add Refrigerant. Repair Leakage if detected
Restriction e.g. At Strainer, Capillary, Filter Dryer, etc.
Repair Clogging Or Replace Faulty Components
Compressor
Less Or No Compression (Low Running Current)
Replace Compressor

Satisfactory operation with temperature difference of air intake & discharge of indoor unit 14°C to 20°C. *
(* value is for reference only)

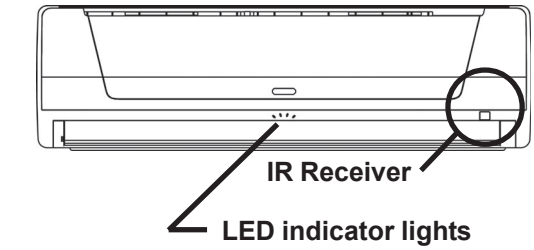
Indicator Lights

IR signal receiver
When there is infrared remote control operating signal, the signal receiver on indoor unit will made a (beep) for signal acceptance confirmation.

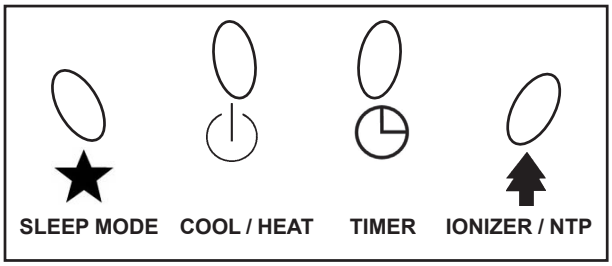
Cooling / Heatpump Unit
The table below shows the LED indicator light for air conditioner unit under normal operation and fault condition. The LED indicator lights are located at the middle of the air conditioner unit.

The heat pump units is equipped with an “auto” mode, whereby the unit will provide reasonable room temperature by switching the unit automatically to either “cool” mode or “heat” mode, according to the temperature setting set by the user.

Inverter Unit



LED Indicator Lights for Cooling Unit / Heatpump Unit



LED Indicator Lights : Normal Operation And Faulty Conditions For Cooling / Heatpump Unit

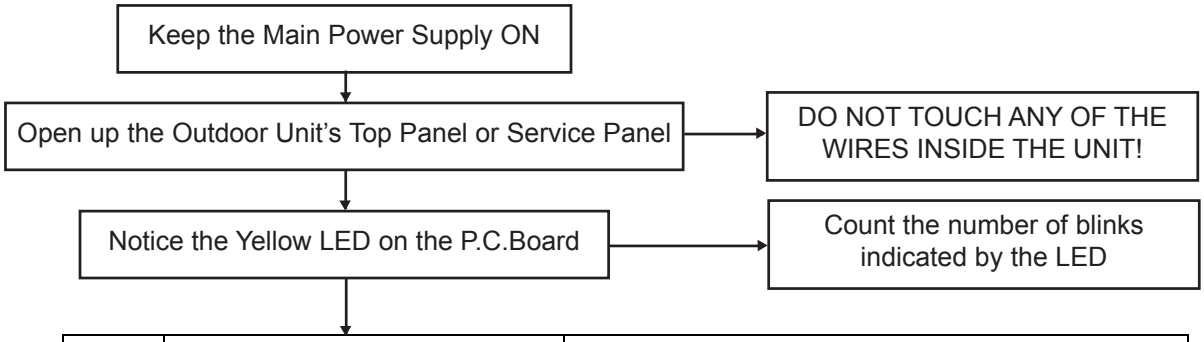
★	⏻ COOL/HEAT (GREEN/RED)	◷	⇑	Normal Operation / Fault Indication	Action
○/●	○ Green		○/●	Cool mode	-
○/●	○ Red		○/●	Heat mode	-
○/●	○ Orange		○/●	Auto mode in cooling/heating operation	-
	○	○		Timer on	-
○	○			Sleep mode on	-
	○		○	Ionizer on	-
	○		○/●	Fan mode on	-
	○		○/●	Dry mode on	-
	◑ Red			Defrost operation	-
	◑ Green			Indoor temperature sensor loose / short	Call your dealer
		◑		Coil temperature sensor loose / short	Call your dealer
			◑	Outdoor temperature sensor loose / short	Call your dealer
◑	◑ Green			Compressor overload protection	Call your dealer
	◑ Green		◑	IPM / PFC error	Call your dealer
		◑	◑	Outdoor total current trip / DC peak	Call your dealer
◑			◑	Compressor overheat / gas leak	Call your dealer
	◑ Green	◑		Indoor fan feedback error	Call your dealer
◑		◑		Communication error between indoor and outdoor	Call your dealer

○ - ON ○/● - ON or OFF ◑ - Blinking

1

Compressor Stopped Troubleshooting Instructions

(Applicable to Inverter System Only)


Keep the Main Power Supply ON
Open up the Outdoor Unit's Top Panel or Service Panel
DO NOT TOUCH ANY OF THE WIRES INSIDE THE UNIT!
Notice the Yellow LED on the P.C.Board
Count the number of blinks indicated by the LED

Blink	Fault Indication	Corrective Action
1	OutdoorAmbient Sensor Error	Check ambient sensor wire and connection
2	Outdoor Coil Sensor Error	Check coil sensor wire and connection
3	Outdoor Discharge Sensor Error / Compressor Overheat Indication	Check discharge sensor wire and connection / Not enough refrigerant / Indoor overload / Outdoor fan not functioning
4	DC Compressor Feedback	Call local dealer
5	Communication Error	Check Interconnection communication wire
6	Over Current	Call local dealer
7	No Load	Check compressor wire and connection
8	Over / UnderVoltage	Check power supply
9	DC Compressor Start Failure	Call local dealer
10	Cooling Overload	Check whether outdoor unit is blocked or not
11	Defrost	Wait till defrost is over then restart
12	IPM Protection	Check IPM
13	EEPROM Read Error	Change EEPROM
14	EEPROM Write Error	Change EEPROM
15	DC Fan Motor Feedback Error	Check fan motor wire connection
16	AC Peak Current Error	Call local dealer
17	Outdoor Suction Sensor Error	Check suction sensor wire and connection
19	DC Compressor Speed Control Error	Call local dealer
21	Outdoor Suction A Sensor Error	Check A suction sensor wire and connection
22	Outdoor Suction B Sensor Error	Check B suction sensor wire and connection
23	Outdoor Suction C Sensor Error	Check C suction sensor wire and connection
24	Outdoor Suction D Sensor Error	Check D suction sensor wire and connection
31	Indoor A Communication Error	Check Interconnection communication wire to Indoor A
32	Indoor B Communication Error	Check Interconnection communication wire to Indoor B
33	Indoor C Communication Error	Check Interconnection communication wire to Indoor C
34	Indoor D Communication Error	Check Interconnection communication wire to Indoor D

***If the problem persist, contact your local dealer straight away**

2

Normal Running Mode Condition

(Applicable to Inverter System Only)

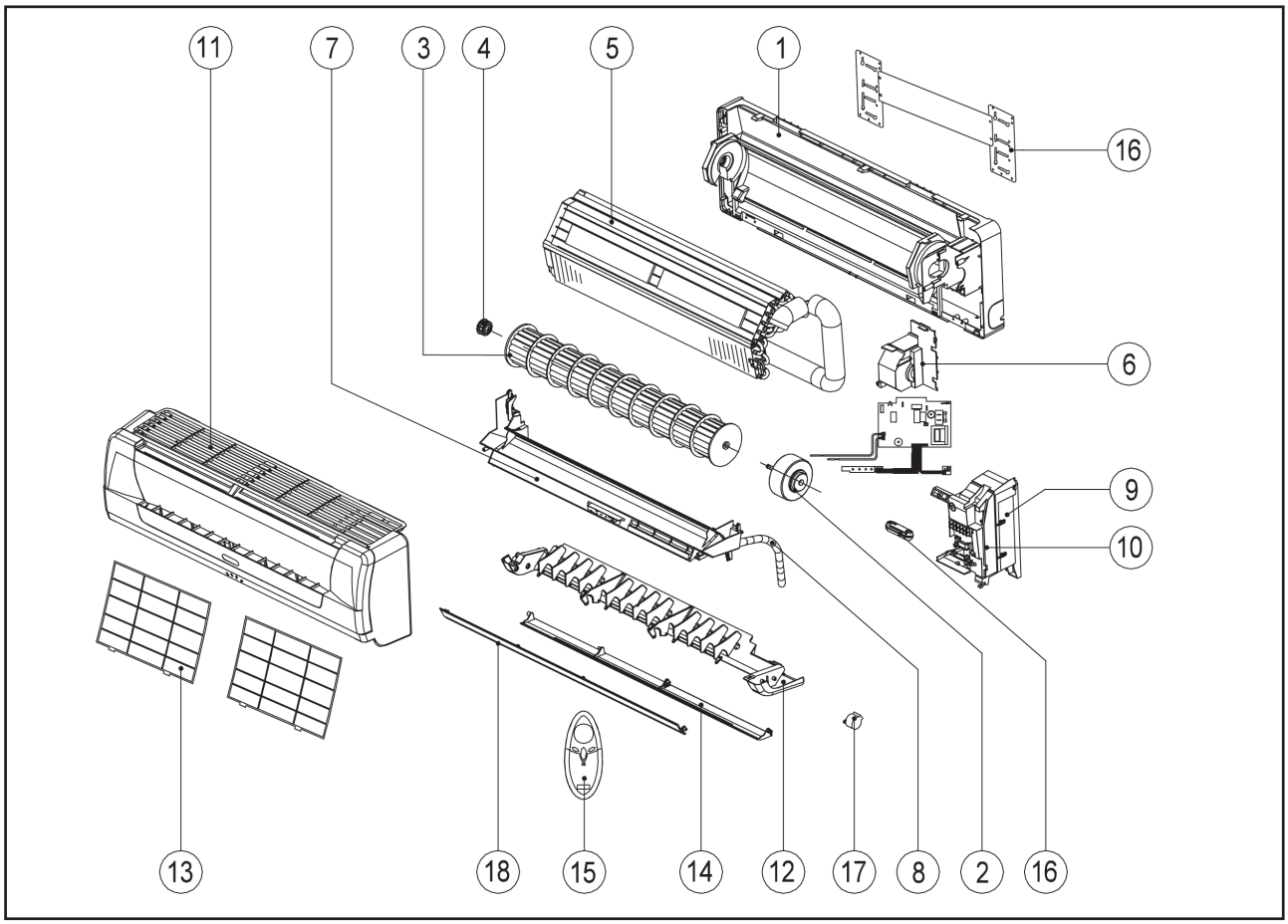
If the air conditioner unit has no faulty indications and the compressor is running at normal mode, the outdoor P.C.Board's LED indication will blink at a slower paste. The table below shows the significant meaning of different running mode and limitation for this air conditioner unit.

One must not attempt to see the LED indication blinking unless instructed to do so.

Blinks	Blinking Indication
1	Normal Running, with no limitation
2	Voltage Limit
3	Cooling unit : Outdoor Coil Temperature Limit
4	Total Current Limit
5	Discharge Temperature Limit
6	Cooling unit : Indoor Coil Temperature Limit
7	Indoor Fan Control
8	Outdoor Frequency Adjustment

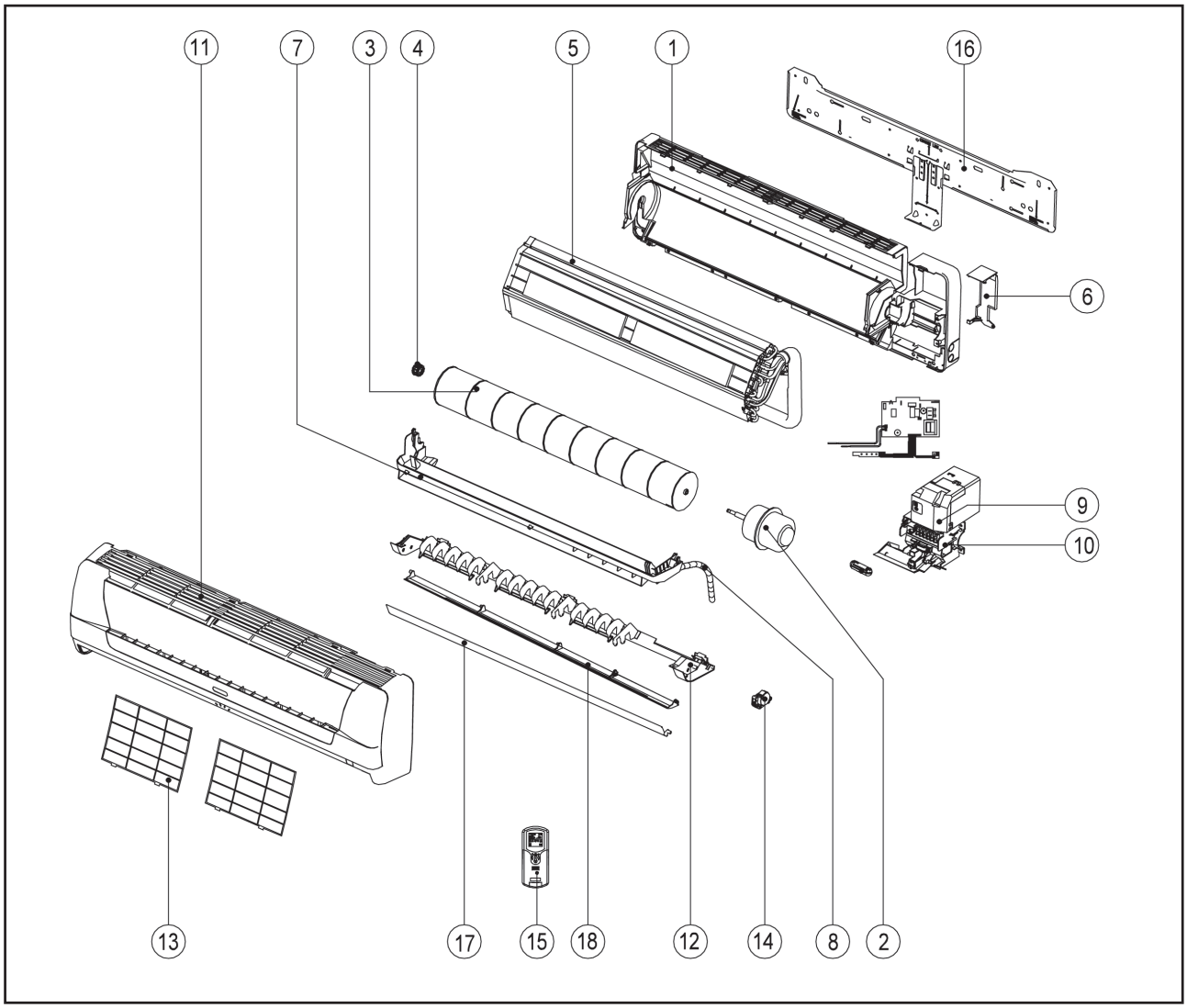
Exploded View And Parts List

Indoor Unit
MODEL : M5WMX 010GR/015GR



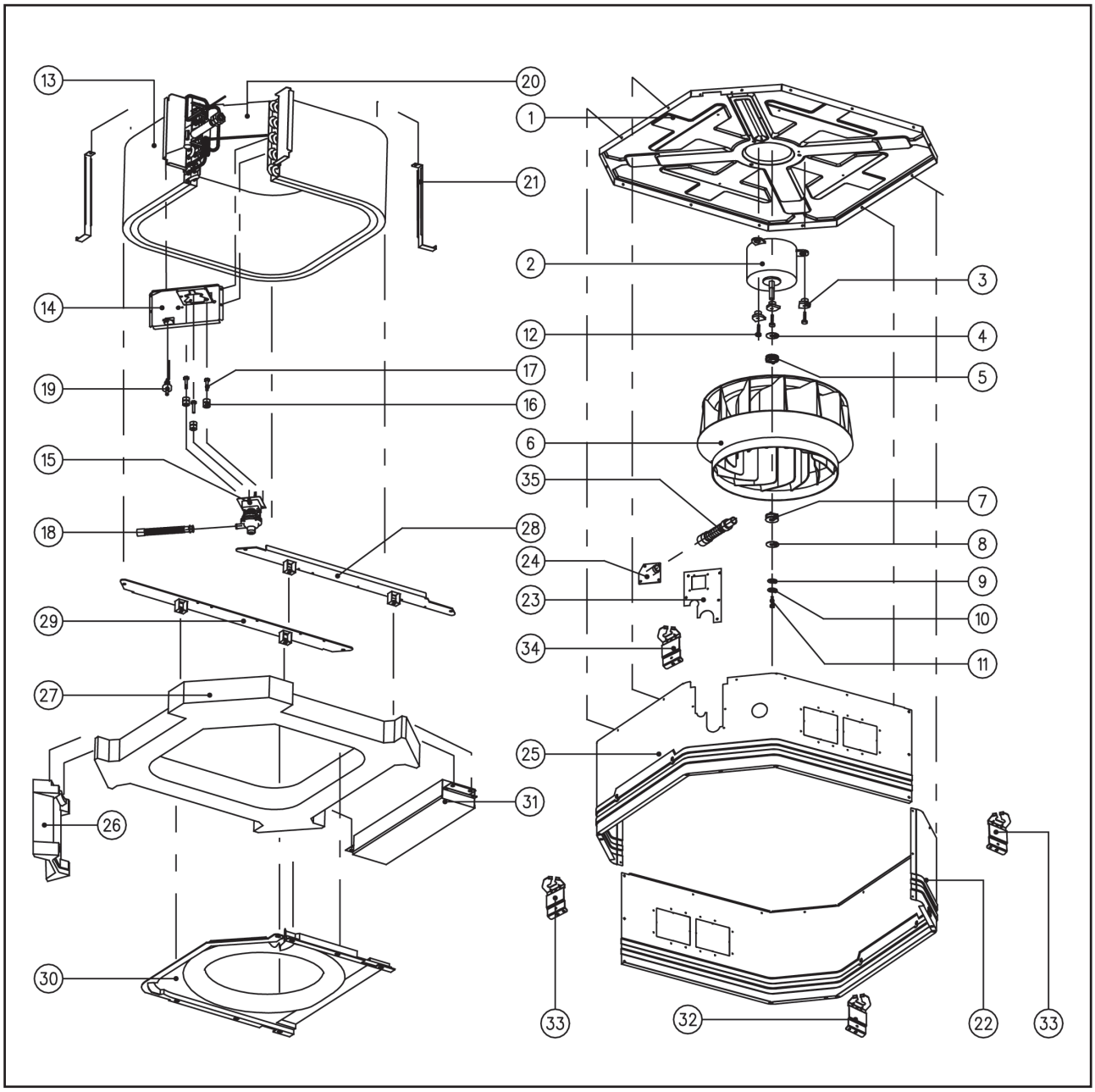
No	Description	Part Number	Related Model			
			M5WMX 010G	M5WMX 010GR	M5WMX 015G	M5WMX 015GR
1	ASSY, CHASSIS 10/15G	R50124064151	√	√	√	√
2	Motor WMX10/15G 17w Welling	R03039022520	√	√	√	√
3	BLOWER,CROSS FLOW G97-717.5 SUNWILL	R03029019461	√	√	√	√
4	FAN BUSH C/FLOW BLACK	R11014029514	√	√	√	√
5	ASSY, INDOOR COIL - WM10GR	R50024064225	√	√		
	ASSY, INDOOR COIL - WM15GR	R50024066054			√	√
6	PIPING CLAMP	R12014060544	√	√	√	√
7	ASSY, DRAIN PAN 10/15G	R50124064152	√	√	√	√
8	DRAIN HOSE WM10/15(600mmL)	R10024018204	√	√	√	√
9	ASSY, CONTROL BOX COVER (AP)	R50124074815	√	√	√	√
10	ASSY, CONTROL BOX 10G-ION OYLT	R50044083997	√			
	ASSY, CONTROL BOX 10GR-ION OYLT	R50044083999		√		
	ASSY, CONTROL BOX 15G-ION OYLT	R50044083998			√	
	ASSY, CONTROL BOX 15GR-ION OYLT	R50044084000				√
11	ASSY., FRONT COVER A 5WMX10/15G/GR	R50124085074	√	√	√	√
12	ASSY, AIR DISCHARGE 10/15	R50124062326	√	√	√	√
13	FILTER 10/15G	R12014062321	√	√	√	√
14	LOUVER BOTTOM 10/15G	R12014061364	√	√	√	√
15	HANDSET, WIRELESS G11 AP MCQUAY	R04084067314	√	√	√	√
16	ASSY, MOUNTING PLATE 10/15G	R50014062324	√	√	√	√
17	MOTOR, AIR SWING WM10/15G	R03039021375	√	√	√	√
18	LOUVER TOP 10/15G	R12014061363	√	√	√	√

MODEL : M5WMX 020GR/025GR



No	Description	Part Number	Related Model			
			M5WMX 020G	M5WMX 020GR	M5WMX 025G	M5WMX 025GR
1	Assy, Chassis WM20/25G	R50124068170	√	√	√	√
2	Motor, MWMX20/20G	R50034074747	√	√	√	√
3	FAN CROSS FLOW, WM20/25F	R03029029158	√	√	√	√
4	Fan Bush C/Flow Grey	R11014023775	√	√	√	√
5	Assy, Coil WM20G/GR / 5WM25G/R	R50024072203	√	√		
6	Clamp, Piping 20/25G	R12014071297	√	√	√	√
7	Assy, Drain Pan 20/25G	R50124068171	√	√	√	√
8	Drain Hose Assy WM20C/25C(700mmL)	R10024015319	√	√	√	√
9	Assy, Control Box Cover 20/25G (EC)	R50124074814	√	√	√	√
10	ASSY, CONTROL BOX (ION 5WMX 20G)	R50044085630	√			
	ASSY, CONTROL BOX (ION 5WMX 20GR)	R50044085632		√		
	ASSY, CONTROL BOX (ION 5WMX 25G)	R50044085631			√	
	ASSY, CONTROL BOX (ION 5WMX 25GR)	R50044085633				√
11	ASSY,F/COVER-A	R50124074743	√	√	√	√
12	ASSY, AIR DISCHARGE 20/25G	R50124071426	√	√	√	√
13	FILTER, NANOSILVER 20/25G (WITH FRAME)	R12014080142	√	√	√	√
	FILTER, NANOVIS 20/25G (WITH FRAME)	R12014080144	√	√	√	√
14	Motor, MP35 WM20/25G	R03039022933	√	√	√	√
15	HANDSET, WIRELESS G11 EC W/IONIZER MCQUAY	R04084065334	√	√	√	√
16	Assy, Mtg Plate WM20/25F	R50014036133	√	√	√	√
17	Louver, Top 20/25G	R12014066820	√	√	√	√
18	Louver, Bottom 20/25G	R12014066821	√	√	√	√

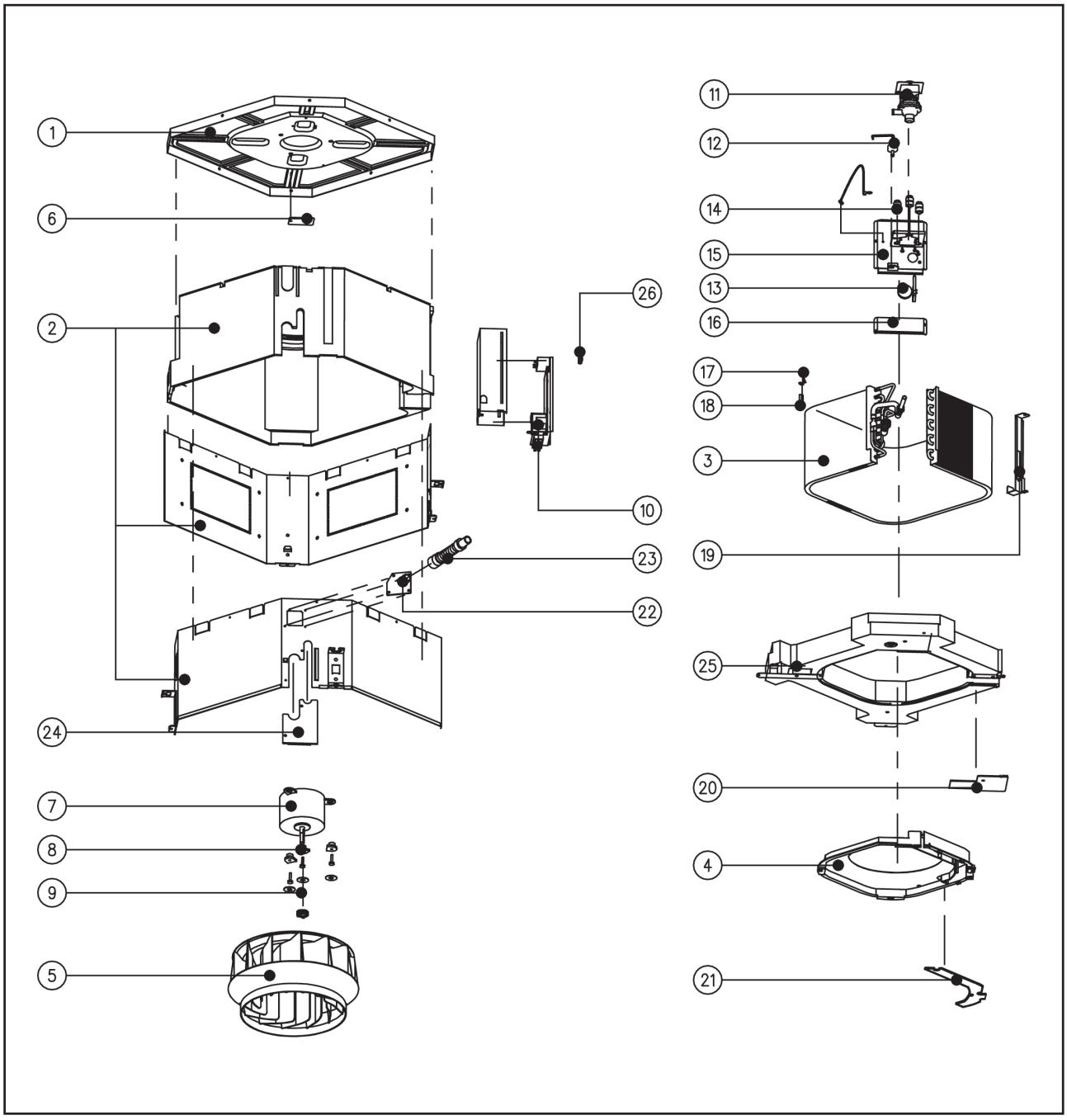
MODEL : M5CKX 020/025A/AR



MODEL : M5CKX 020/025A/AR

No	DESCRIPTION	PART NUMBER	RELATED MODEL			
			M5CKX020A	M5CKX020AR	M5CKX025A	M5CKX025AR
1	ASSY, BASE PAN	R50013028745	√	√	√	√
2	FAN MOTOR HAR067 (CK20A/AR)	R03039001735	√	√	√	√
	FAN MOTOR HAR068 (CK25A/AR)	R03039001734	√	√	√	√
3	BUSH, FAN MOTOR	R11014026620	√	√	√	√
4	PLAIN WASHER	R07044003768	√	√	√	√
5	COUPLING, FAN MOTOR BOTTOM	R11054026619	√	√	√	√
6	TURBO FAN DIA. 450MM X 220(D)	R03029001613	√	√	√	√
7	COUPLING, FAN MOTOR TOP	R11054026610	√	√	√	√
8	FLAT WASHER	R07044003872	√	√	√	√
9	PLAIN WASHER	R07044003768	√	√	√	√
10	SPRING WASHER	R07044003769	√	√	√	√
11	HEXAGON BOLT M8 X 20MM	R07034003822	√	√	√	√
12	HEXAGON BOLT M6 X 15MM	R07034028746	√	√	√	√
13	ASSY, COIL 5CK20A/AR	R50024082149	√	√		
	ASSY, COIL 5CK25A/AR	R50024082148			√	√
14	ASSY, DRAIN PUMP SUPPORT BRACKET	R50014028765	√	√	√	√
15	PUMP, WATER PC-04226-OYOB YCK	R04139022965	√	√	√	√
16	BUSH, DRAIN PUMP	R11014026614	√	√	√	√
17	HEXAGON BOLT M5 X 27MM	R07034028747	√	√	√	√
18	DRAIN HOSE 18.3 X 365MM	R10029001615	√	√	√	√
19	SWITCH WATER LAVEL 1A - CK DRAIN PUMP	R04069022966	√	√	√	√
20	SUPPORT, COIL CK 20/25/30/40/50A/AR	R01014079035	√	√	√	√
21	ASSY, PARTITION	R50014028766	√	√	√	√
22	SIDE PANEL FRONT	R50013028767	√	√	√	√
23	VALVE PLATE	R01014028024	√	√	√	√
24	DRAIN CONNECTOR	R12014028769	√	√	√	√
25	ASSY, SIDE PANEL BACK	R50013028771	√	√	√	√
26	EPS, AIR GUIDE	R12033028773	√	√	√	√
27	ASSY, DRAIN PAN CK	R50123028775	√	√	√	√
28	FIX BRACKET FRONT	R50014028779	√	√	√	√
29	FIX BRACKET BACK	R50014028782	√	√	√	√
30	FAN COVER	R12010027359	√	√	√	√
31	ASSY., CONTROL BOX 5CKX 20A	R50044086838	√			
	ASSY., CONTROL BOX 5CKX 25A	R50044086839			√	
	ASSY., CONTROL BOX 5CKX 20AR	R50044086840		√		
	ASSY., CONTROL BOX 5CKX 25AR	R50044086841				√
32	BRACKET HANGER A	R01024037399	√	√	√	√
33	BRACKET HANGER B	R01024037400	√	√	√	√
34	BRACKET HANGER C	R01024037401	√	√	√	√
35	ASSY, DRAIN HOSE	R50124025113	√	√	√	√
Parts Not in diagram						
	CONTROL MODULE, 09A EC VA3 CKX-A 20	R04084086584	√			
	CONTROL MODULE, 09A AP VA3 CKX-A 20	R04084086609		√		
	CONTROL MODULE, 09A EC VA3 CKX-A 25	R04084086585			√	
	CONTROL MODULE, 09A AP VA3 CKX-A 25	R04084086610				√
	IONIZER, 220V HB-203D 2 HULIP	R04239025327	√	√	√	√
	ASSY., BRACKET ION. CKA SERIES	R50064082057	√	√	√	√
	ASSY. NEGATIVE IONIZER BRACKET	R50044084548	√	√	√	√
	IONIZER,CARBON FIBER HB-203D 2-50 HUILIP	R04239025328	√	√	√	√

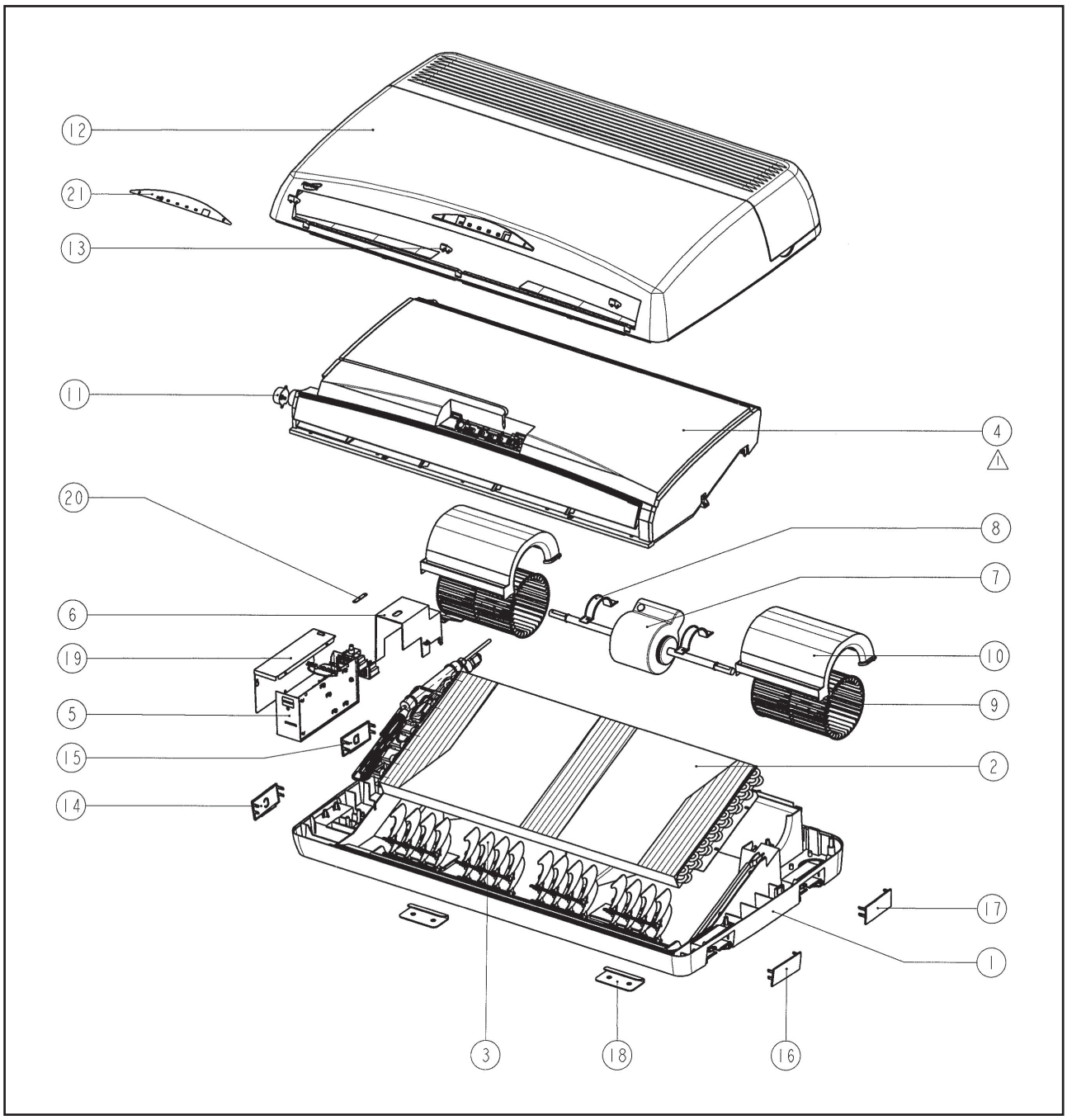
MODEL : M5CKX 010/015/020C/CR



MODEL : M5CKX 010/015/020C/CR

No	DESCRIPTION	PART NUMBER	RELATED MODEL					
			M5CKX010C	M5CKX010CR	M5CKX015C	M5CKX015CR	M5CKX020C	M5CKX020CR
1	ASSY., BASE	R50014057906	√	√	√	√	√	√
2	ASSY., CASING	R50014057905	√	√	√	√	√	√
2	PANEL, SIDE A	R01014053369	√	√	√	√	√	√
2	PANEL, SIDE B	R01014053370	√	√	√	√	√	√
3	ASSY., COIL 5CKX 10C/CR	R50024086667	√	√	-	-	-	-
	ASSY., COIL CK15C/CR	R50024061114	-	-	√	√	-	√
	ASSY., COIL 5CK20C	R50024068865	-	-	-	-	√	-
4	COVER,FAN	R12014053394	√	√	√	√	√	√
5	BLOWER WHEEL, TURBO FAN FX330 TU YAMAHA	R03029016598	√	√	√	√	√	√
6	PLATE, WIRE	R01014053397	√	√	√	√	√	√
7	MOTOR, MCK15C-501 HONG LU	R03039016596	√	√	√	√	-	-
	MOTOR, MCK20C-501 HONG LU	R03039016597	-	-	-	-	√	√
8	BUSH, FAN MOTOR	R11014049558	√	√	√	√	√	√
9	BUSH, FAN MOTOR RING	R11014049559	√	√	√	√	√	√
10	CONTROL MODULE, 09A EC VA3 CKX-C 10	R04084086553	√	-	-	-	-	-
	CONTROL MODULE, 09A AP VA3 CKX-C 10	R04084086581	-	√	-	-	-	-
	CONTROL MODULE, 09A EC VA3 CKX-C 15	R04084086554	-	-	√	-	-	-
	CONTROL MODULE, 09A AP VA3 CKX-C 15	R04084086582	-	-	-	√	-	-
	CONTROL MODULE, 09A EC VA3 CKX-C 20	R04084086580	-	-	-	-	√	-
	CONTROL MODULE, 09A AP VA3 CKX-C 20	R04084086583	-	-	-	-	-	√
11	PUMP, WATER PC-04226-OYOB	R04139022965	√	√	√	√	√	√
12	SWITCH WATER LAVEL 1A - CK DRAIN PUMP	R04069022966	√	√	√	√	√	√
13	BUSH,WIRE NR ID22XOD36Xt10 - MODEL CE/SB	R11014001876	√	√	√	√	√	√
14	BUSH,DRAIN PUMP	R11014026614	√	√	√	√	√	√
15	ASSY.,DRAIN PUMP SUPPORT BRACKET	R50014054265	√	√	√	√	√	√
16	ASSY., ENDPLATE SUPPORT	R50014057987	√	√	√	√	√	√
17	CLIP, COIL SENSOR (6mm)	R07054021183	√	√	√	√	√	√
18	TUBE, CU SENSOR HOLDER	R02014021112	√	√	√	√	√	√
19	BRACKET,COIL	R01014053398	√	√	√	√	√	√
20	COVER, TERMINAL	R12014053387	√	√	√	√	√	√
21	COVER, WIRE	R12014053396	√	√	√	√	√	√
22	CONNECTOR,DRAIN CK	R12014028769	√	√	√	√	√	√
23	HOSE,DRAIN CK	R10029001615	√	√	√	√	√	√
24	ASSY, COVER VALVE	R50014057903	√	√	√	√	√	√
25	ASSY., DRAIN PAN CK-C	R50064061257	√	√	√	√	√	√
26	BUSH, RUBBER(EPDM) 25MM U-SHAPE	R11014042391	√	√	√	√	√	√
Parts not in diagram								
	BRACKET, DRAIN PUMP SUPPORT	R01014053375	√	√	√	√	√	√
	COVER, VALVE	R01014053399	√	√	√	√	√	√
	COVER, CONTROL BOX	R01014053386	√	√	√	√	√	√
	PLATE,PCB MOUNTING	R01014053385	√	√	√	√	√	√
	CLAMP, TERMINAL CABLE SL	R07054030840	√	√	√	√	√	√
	DRAIN HOSE ASSY CE-D	R50124025113	√	√	√	√	√	√
	ASSY.,IONIZER HOLDER CK C SERIES	R50014085302	√	√	√	√	√	√
	ASSY, IONIZER CKX-C	R50134086592	√	√	√	√	√	√
	IONIZER, 220V HULIP HB-203D3 CKC	R04239026587	√	√	√	√	√	√
	ASSY. NEGATIVE IONIZER BRACKET	R50044084548	√	√	√	√	√	√
	IONIZER,CARBON FIBER HB-203D 2-50 HUILIP	R04239025328	√	√	√	√	√	√

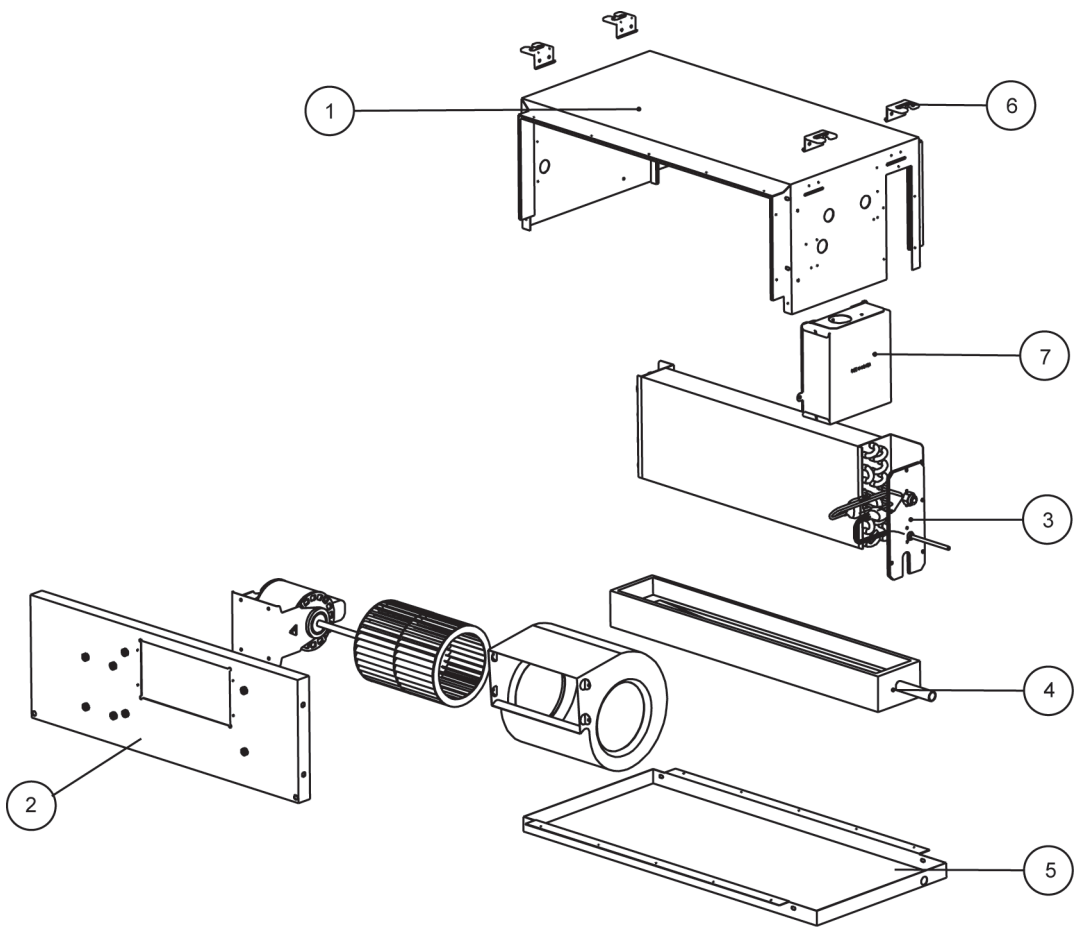
MODEL : M5CMX 015/020/025E/ER



MODEL : M5CMX 015/020/025E/ER

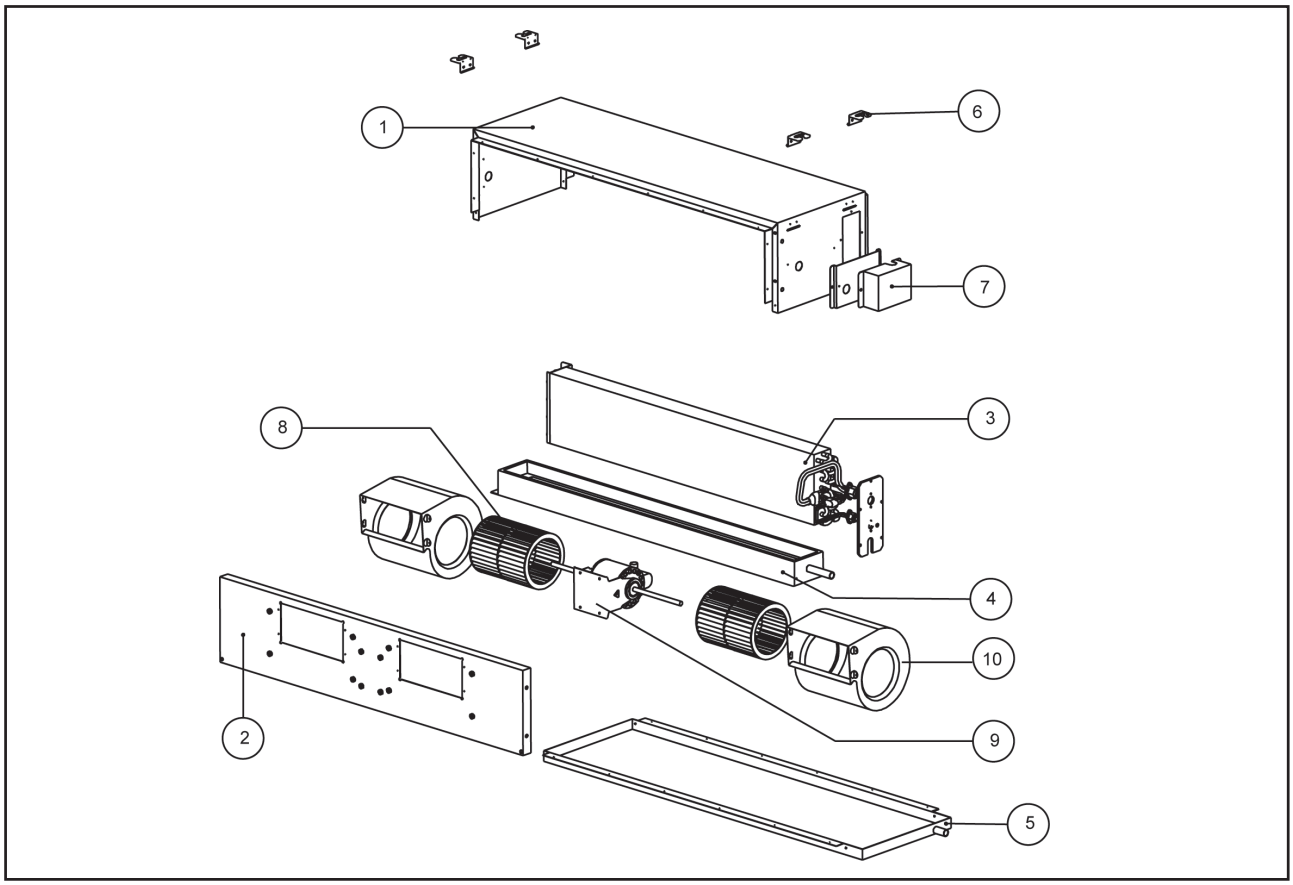
No	DESCRIPTION	PART NUMBER	RELATED MODEL					
			M5CMX015E	M5CMX015ER	M5CMX020E	M5CMX020ER	M5CMX025E	M5CMX025ER
1	ASSY.,TOP PANEL CE-E	R50124074907	√	√	√	√	√	√
2	ASSY.,COIL INDOOR	R50024085233	√	√				
	ASSY.,COIL INDOOR	R50024080385			√	√		
	ASSY.,COIL INDOOR	R50024071828					√	√
3	ASSY.,VANE CE20/25/28E	R50124074906	√	√	√	√	√	√
4	ASSY.,INS DRAIN PAN CE E SERIES	R50124076123	√		√		√	
	ASSY.,INS DRAIN PAN CE ER SERIES	R50124080076		√		√		√
5	ASSY., CONTROL BOX (5)CEX15E	R50044090153	√					
	ASSY., CONTROL BOX (5)CEX15ER	R50044090154		√				
	ASSY., CONTROL BOX 5CEX20E	R50044086799			√			
	ASSY., CONTROL BOX 5CEX20ER	R50044086800				√		
	ASSY., CONTROL BOX 5CEX25E	R50044086801					√	
	ASSY., CONTROL BOX 5CEX25ER	R50044086802						√
6	COVER,TERMINAL BLOCK CE-E	R12014071351	√	√	√	√	√	√
7	MOTOR, MCE15E-501 40W HUATE	R03034085800	√	√				
	MOTOR, MCE20E-501 HUATE	R03039023304			√	√		
	MOTOR, MCE25E-501 HUATE	R03039023305					√	√
8	MOTOR, BRACKET CE E	R01014071324	√	√	√	√	√	√
9	BLOWER WHEEL, M506ZMCF L/R OYL	R03024004754	√	√	√	√	√	√
10	BLOWER HOUSING CE E	R12014071385	√	√	√	√	√	√
11	MOTOR, MP35EA HIGASHI FUJI/LEILI	R03039023303	√	√	√	√	√	√
12	ASSY., PANEL BOTTOM	R50124085499	√	√	√	√	√	√
13	STICKER, LED (MCQUAY COOLING)	R08024079232	√		√		√	
	STICKER, LED (MCQUAY HEATING)	R08024079233		√		√		√
14	COVER, HANGER L1(C)	R12014071354	√	√	√	√	√	√
15	COVER, HANGER L2(D)	R12014071355	√	√	√	√	√	√
16	COVER, HANGER R1(A)	R12014071356	√	√	√	√	√	√
17	COVER, HANGER R2(B)	R12014071357	√	√	√	√	√	√
18	BRACKET, MOUNTING CE E (FLOOR)	R01014071319	√	√	√	√	√	√
19	COVER, CONTROL BOX	R01014069872	√	√	√	√	√	√
20	CLAMP, WIRE CE E	R12014071348	√	√	√	√	√	√
Parts not in diagram								
	HANDSET, WIRELESS G11EC W/IONIZER MCQUAY	R04084065334	√		√		√	
	HANDSET, WIRELESS G11AP W/IONIZER MCQUAY	R04084067314		√		√		√
	CONTROL MODULE, 09A EC VA3 CEX 15	R04084086605	√					
	CONTROL MODULE, 09A AP VA3 CEX 15	R04084086606		√				
	CONTROL MODULE, 09A EC VA3 CEX 20	R04084086679			√			
	CONTROL MODULE, 09A AP VA3 CEX 20	R04084086607				√		
	CONTROL MODULE, 09A EC VA3 CEX 25	R04084086680					√	
	CONTROL MODULE, 09A AP VA3 CEX 25	R04084086608						√
	INTAKE GRILLE CE E	R12014071341	√	√	√	√	√	√
	COVER, BACK CE E	R12014073883	√	√	√	√	√	√

MODEL : M5CCX 010C/CR



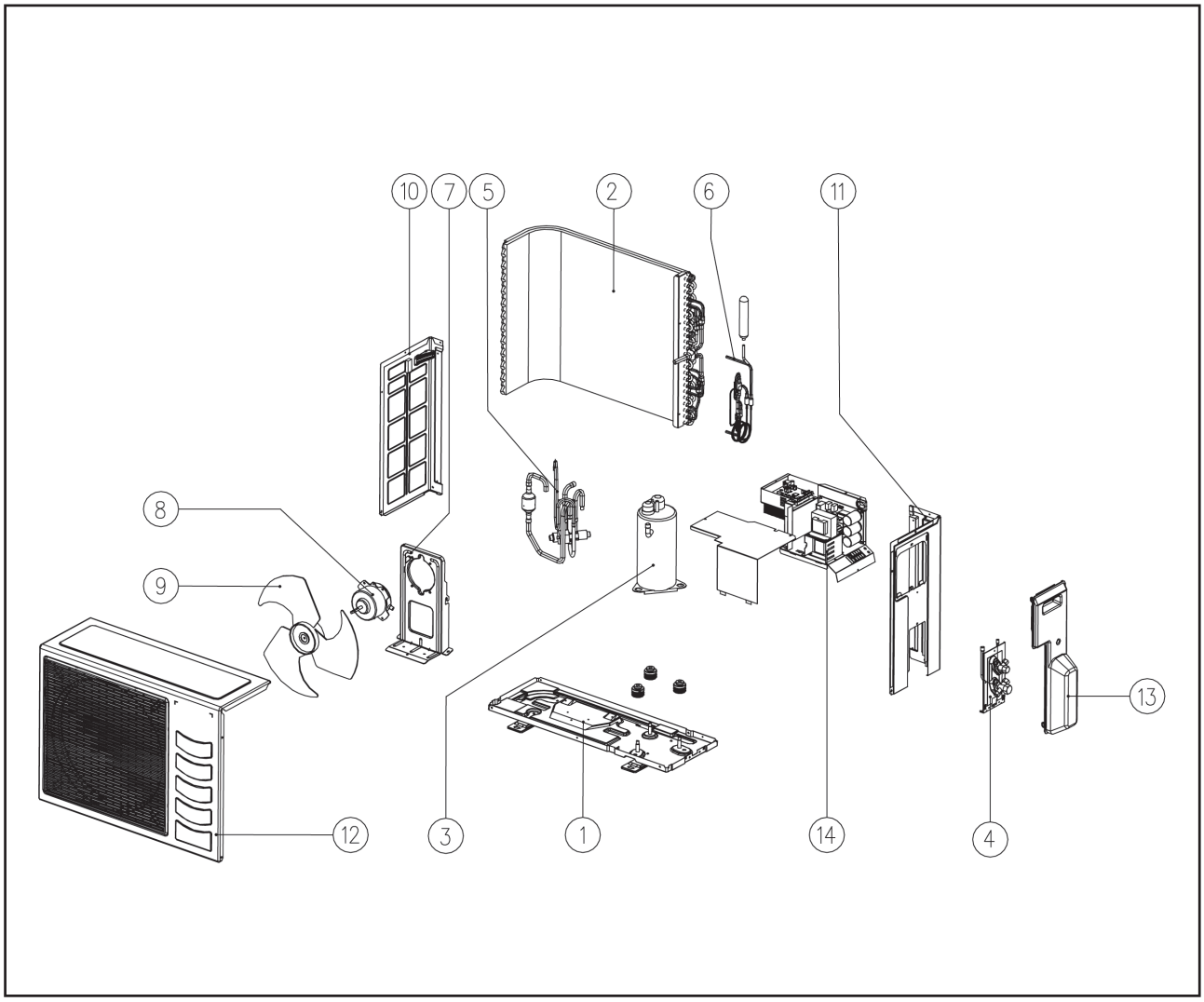
No	DESCRIPTION	PART NUMBER	RELATED MODEL	
			M5CCX010C	M5CCX010CR
1	CABINET (U), CC10C/10CR	R01013034004	√	√
2	ASSY, FAN DECK, CC10C	R50014032627	√	√
3	ASSY, COIL MAIN 5CC10C/CR	R50024079383	√	√
4	ASSY, DRAIN PAN CC10C	R50063033907	√	√
5	ASSY, SECONDARY DRAIN PAN (P),10C/10CR	R50015035045	√	√
6	HANGER CC10-60C/CW	R01014032372	√	√
7	CONTROL MODULE, 09A EC VA3 CCX 10	R04084086597	√	
	CONTROL MODULE, 09A AP VA3 CCX 10	R04084086601		√
Parts Not In The Diagram				
	MOTOR, MCC10C-501 30W HONGLU	R03039004896	√	√
	AIR FILTER, SARANET 195x560mm CC10C	R03084037810	√	√
	ASSY, BLOWER W&H DH16-20-L	R50039005356	√	√
	ASSY, DRAIN PIPE JOINT,CC10-25C/CR	R50094035451	√	√
	HANDSET, WIRED SLM3 EC 7M ACSON N/S	R04089011808	√	√
	HANDSET, WIRED SLM3 EC 7M MCQUAY N/S	R04089011809	√	√
	WIRED H/SET SLM AP 7M MCQUAY N/S	R04089011753	√	√
	HANDSET, WIRED SLM3 AP 7M CC ACSON N/S	R04089011752	√	√
	THERMISTER HOLDER WM/CC	R12014000432	√	√
	CLIP, COIL SENSOR (6mm)	R07054021183	√	√

MODEL : M5CCX 015/020/025C/CR



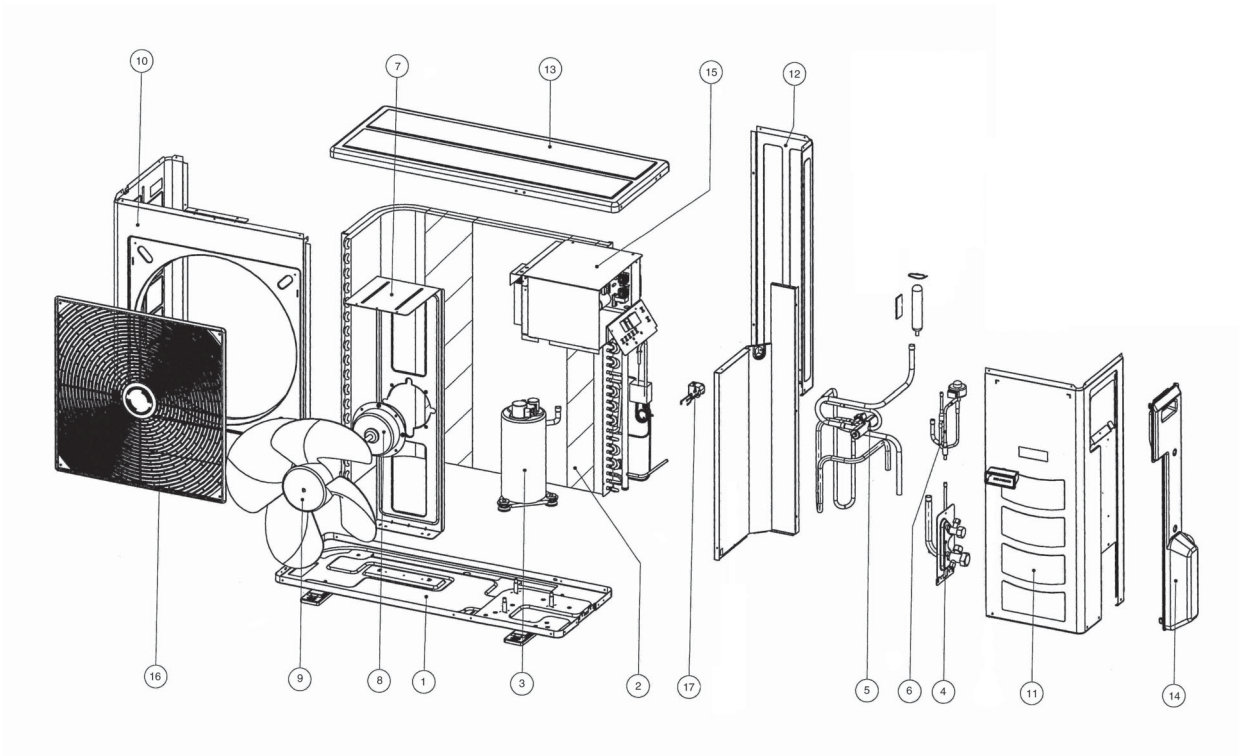
No	DESCRIPTION	PART NUMBER	RELATED MODEL					
			M5CCX015C	M5CCX015CR	M5CCX020C	M5CCX020CR	M5CCX025C	M5CCX025CR
1	CABINET (U), CC15C/CR	R01013032453	√	√				
	CABINET, (U) CC20C/20CR	R01013034005			√	√		
	CABINET, (U) CC25C/25CR	R01013032362					√	√
2	ASSY, FAN DECK, CC15C/15CR	R50014032628	√	√				
	ASSY, FAN DECK,CC20C/20CR	R50014035082			√	√		
	ASSY, FAN DECK, CC25C/25CR	R50014032629					√	√
3	ASSY, COIL MAIN 5CC15C/CR	R50024079396	√	√				
	ASSY,COIL MAIN 5CC20C/CR	R50024079268			√	√		
	ASSY,COIL MAIN 5CC25C/CR	R50024079271					√	√
4	ASSY, DRAIN PAN CC15C	R50063032460	√	√				
	ASSY, DRAIN PAN CC20C	R50063033908			√	√		
	ASSY, DRAIN PAN CC25C	R50063032369					√	√
5	ASSY, SECONDARY DRAIN PAN (P),15C/15CR	R50015032660	√	√				
	ASSY, SECONDARY DRAIN PAN(P),CC20/20CR	R50015035085			√	√		
	ASSY, SECONDARY DRAIN PAN(P),CC25/25CR	R50015032661					√	√
6	HANGER CC10-60C/CW	R01014032372	√	√	√	√	√	√
7	CONTROL MODULE, 09A EC VA3 CCX 15	R04084086598	√					
	CONTROL MODULE, 09A AP VA3 CCX 15	R04084086602		√				
	CONTROL MODULE, 09A EC VA3 CCX 20	R04084086599			√			
	CONTROL MODULE, 09A AP VA3 CCX 20	R04084086603				√		
	CONTROL MODULE, 09A EC VA3 CCX 25	R04084086600					√	
	CONTROL MODULE, 09A AP VA3 CCX 25	R04084086604						√
8 & 10	ASSY, BLOWER W&H DH16-20-R	R50039005355	√	√	√	√	√	√
	ASSY, BLOWER W&H DH16-20-L	R50039005356	√	√	√	√	√	√
9	MOTOR, MCC15C-501 50W HONGLU	R03039004897	√	√				
	MOTOR, MCC20C-501 80W HONGLU	R03039004898			√	√		
	MOTOR, MCC25C-501 100W HONGLU	R03039004899					√	√
Parts Not In The Diagram								
	AIR FILTER, SARANET 195x700mm CC15C	R03084037811	√	√				
	AIR FILTER, SARANET 195x860mm CC20C	R03084037809			√	√		
	AIR FILTER, SARANET 195x995mm CC25C	R03084037812					√	√
	ASSY, DRAIN PIPE JOINT,CC10-25C/CR	R50094035451	√	√	√	√	√	√
	HANDSET, WIRED SLM3 EC 7M ACSON N/S	R04089011808	√	√	√	√	√	√
	HANDSET, WIRED SLM3 EC 7M MCQUAY N/S	R04089011809	√	√	√	√	√	√
	WIRED H/SET SLM AP 7M MCQUAY N/S	R04089011753	√	√	√	√	√	√
	HANDSET, WIRED SLM3 AP 7M CC ACSON N/S	R04089011752	√	√	√	√	√	√
	THERMISTER HOLDER WM/CC	R12014000432			√	√		
	THERMISTER HOLDER WM10/15	R12014016707	√	√			√	√
	CLIP, COIL SENSOR (6mm)	R07054021183	√	√	√	√	√	√

MODEL : M5LCX 010 / 015 C/CR



No	Description	Part Number	Related Model			
			M5LCX 010C	M5LCX 010CR	M5LCX 015C	M5LCX 015CR
1	ASSY,PAN BASE SL10/15C	R50014057190	√	√	√	√
2	ASSY, OUTDOOR COIL (5SLX 10C)	R50024084150	√			
	ASSY, OUTER COIL (5SLX 10CR)	R50024083115		√		
	ASSY, OUTDOOR COIL (5SLX 15C)	R50024084151			√	
	ASSY, OUTER COIL (5SLX 15CR)	R50024082805				√
3	COMPRESSOR, 5RS102XBH01 Matsushita	R04019025689	√	√	√	√
4	VALVE BRACKET	R01014051164	√	√	√	√
	VALVE, FLARE 3 WAY BRASS 3/8" (R-410A)	R05019025684	√	√		
	VALVE, FLARE 3 WAY BRASS 1/2" (R-410A)	R05019025683			√	√
5	VALVE, REV 4 WAY SHF-4H-230(RK) SHANHUA	R05019016936		√		√
6	ASSY, CAP TUBE (5SLX 10C)	R50024084137	√			
	ASSY, CAP TUBE (5SLX10CR NEW)	R50024078331		√		
	ASSY, CAP TUBE (5SLX15C)	R50024084138			√	
	ASSY, CAP TUBE (5SLX15CR NEW)	R50024078332				√
7	BRACKET,FAN MOTOR	R01014051162	√	√	√	√
8	MOTOR, M5SLX10C-501-BOM	R03039016892	√	√		
	MOTOR, M5SLX15C-501-BOM	R03039016893			√	√
9	FAN PROPELLER, DIA401.0 OZ42000 SHUNDE	R03019015339	√	√	√	√
10	PANEL,LEFT	R01014051166	√	√	√	√
11	PANEL,RIGHT	R01014051167	√	√	√	√
12	PANEL,TOP/FRONT SL10/15C	R01014051171	√	√	√	√
	ASSY,FRONT GRILLE (SL10C/15C)	R50124056700	√	√	√	√
13	ASSY,VALVE COVER	R50124051173	√	√	√	√
14	ASSY, CONTROL BOX (5SLX 10CR DC1P)	R50044083160	√	√		
	ASSY, CONTROL BOX (5SLX 15CR DC1P)	R50044083161			√	√

MODEL : M5LCX 020 / 025 C/CR



No	Description	Part Number	Related Model			
			M5LCX 020C	M5LCX 020CR	M5LCX 025C	M5LCX 025CR
1	ASSY, BASE PAN (5SLX20/25CR)	R50014073830	√	√	√	√
2	ASSY, OUTDOOR COIL (5SLX20/25CR)	R50024073384	√	√	√	√
3	COMPRESSOR 5CS130XCC03 MATSUSHITA	R50049024263	√	√	√	√
4	ASSY, VALVE BRACKET (5SLX 20CR)	R50014073839	√	√		
	ASSY, VALVE BRACKET (5SLX 25CR)	R50014073840			√	√
5	VALVE, REV 4 WAY SHF-7H-34U(RK) SHANHUA	R05019016937	√	√	√	√
6	ASSY., EXV (5SLX 20CR/25CR)	R50024077293		√		√
7	BRACKET MOTOR (SL25C/28C/CR)	R01014070948	√	√	√	√
8	MOTOR, M5MSX20AR-501-K 64W KUSATSU	R03039024770	√	√		
	MOTOR, M5SLX25CR-501-K 94W KUSATSU	R03039024771			√	√
9	FAN PROPELLER, Ø460 0Z40700 SUNWILL CHIN	R03019023393	√	√	√	√
10	PANEL FRONT / LEFT	R01014070947	√	√	√	√
11	PANEL SERVICE (SL25C/28C/CR)	R01014070949	√	√	√	√
12	PANEL RIGHT BACK (SL25C/28C/CR)	R01014070950	√	√	√	√
13	PANEL TOP (SL20C/25C/28C/CR)	R01014070596	√	√	√	√
14	ASSY VALVE COVER (SL25C/28C/CR)	R50124073905	√	√	√	√
15	ASSY, CONTROL BOX (5SLX 20C/CR)	R50044084211	√	√		
	ASSY, CONTROL BOX (5SLX 25C/CR)	R50044084212			√	√
16	ASSY FRONT GRILLE (SL20C/25C/28C/CR)	R50124072880	√	√	√	√
17	SOLENOID COIL, QA(L)12OYL02RK(E) 900B SH	R04059022076	√	√	√	√

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